



The Professional AV Product Guide

FEATURING OVER 500 PRO AV PRODUCTS
FROM 37 BRANDS ACROSS 20
DIFFERENT CATEGORIES



Summer **2012**



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Welcome

Since 1997 IAVI has been putting our customers first. That's why we offer the brands you and your clients love, and why our highly trained sales consultants are so passionate about your success.

- Selection & Availability
- Expert Consultation
- Service & Support

The following pages detail the partnerships IAVI shares with the top manufacturers in the Pro AV market. As our product line expands, we're excited to share with you the many choices of quality brands available for your solutions. We strongly believe in the high quality and integrity of the products we carry, and pledge to provide exceptional service and an ever-growing selection of manufacturers and products.

With offices in all time zones to manage all of your needs, our commitment to you is unwavering. As we continue to grow, we are adding expertly trained, devoted sales associates ready to provide a consultative approach to every project you specify.

Earning and keeping your business and trust is our goal. IAVI is proud to call you our customer and looks forward to our continued combined success.

Our Supported Brands

(Listed alphabetically)

3M
AAXA
Altinex
AMX
APC
AVTEQ
Bankers Warranty Group
Barco
BenQ
Cablestogo
CELabs
Chief
Christie
Cinversum
Comprehensive
Crestron
CSI
Da-Lite
Dell
Delta
Digital Projection
Display Werks
Draper
Dukane
Elite Screens
Elmo
Enseo
Epson
Furman
Hitachi
Hiperwall
Horizon Display
IAdea
IC Realtime
InFocus
Innovox
Jelco
JVC
Kramer
LG
Mitsubishi Electric
Navitar
Navori
NEC
Nexcom
Next Window
Optoma
OWI
Panasonic
Peerless
Plus
Premier Mounts
Projectiondesign
ProMounts
Samar Technologies
Samsung
Scala
Sharp
Shaxon
Sony
SunBriteTV
Tightrope Media Systems
Toshiba
Totevision
Tripp Lite
ViewSonic
Vutec



Hello,
we're IAVI. And we're
better than direct.

**In fact, we're
Pro AV Distribution.
Made Simple.**

Our distribution philosophy is simple, we strive to be an alternative to the factory without penalizing you, the dealer. We create and maintain positive relationships by providing superior customer service solutions and by offering a wide range of audio visual equipment to professional dealers, installers, integrators and resellers worldwide.

Factory Trained

IAVI has factory trained, highly skilled, knowledgeable Sales Associates ready to assist you in identifying the right solution for your projects.

Keep it Simple

With IAVI, dealers can issue just one purchase order instead of several. We stock the hardware in addition to accessories.

Project Registration

IAVI will act on your behalf, personally working with the factory to register your project, protecting you against your competitors. In most cases, we can provide even lower pricing for your project. Let our Registration Specialist register your project for you and spend your time and efforts winning the business!

Stay Informed

Order confirmation and shipment tracking information is automatically provided to your e-mail address, meaning no more chasing the factory for information.

Feel like a VIP

Get special offers, promotions and pricing from manufacturers through IAVI. And because your projects are our business, we have special offers and incentives to keep you competitive... staying a step ahead of your competitors. Start increasing your margins and sales and save big on exclusive deals now!

IAVI is a
one-stop-shop for all
your Pro AV needs.

Buy Smarter with IAVI.

By supplying an extensive product mix, IAVI makes it possible for industry professionals to obtain every component necessary to complete any AV project, from the simplest display installation to outfitting an entire arena!

Replacement Lamps

IAVI boasts a reputation as a number one source for projector replacement lamps. By maintaining an inventory of over 750 different replacement lamp models, IAVI is the preferred choice among dealers, resellers, and installers.

Cables & Mounts

From video and data cables to audio cables, IAVI can meet your unique cable requirements for specific projects by stocking and supplying a wide variety of cables.

Mounts for projectors and flat panel displays are always available to provide an excellent means of achieving the optimal image size and viewing angles. High margin extenders and other mounting accessories are attractive additions to most solutions, increasing your profits.

IAVI stocks the widest range of projectors, flat panels displays, digital signage solutions, and projection technology accessories. It's simple, IAVI provides the accessories required to ensure optimal performance and increase product reliability. A complete line of accessories for all brands and models make IAVI the only resource for all of your Pro AV needs.

Digital Signage

IAVI is committed to providing imaginative and powerful Digital Signage Solutions. In recent years, several factors have combined to make digital signage a more compelling, eye-catching, and affordable display medium than ever before, contributing to its widespread adoption.

As simple to use and affordable Digital Signage becomes more ubiquitous in retail, education and corporate environments, Systems Integrators and AV Installers have an open invitation to an added revenue channel for their pre-existing businesses. IAVI offers the most affordable and cost effective solutions tailored to customers' specific business needs.

Projector Screens

Projector screens are available in specialized projection materials designed to enhance video quality. IAVI stocks a variety of screens from fixed, electric, wall-mounted, portable and tripod styles that are made for front or rear projection applications.



Projection

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Protect your Projector

IAVI carries projectors for Education, Business, Large Venues, Installations, Home Theater and everything in between.

Choosing the right projector for a specific project can be critical.

IAVI proudly supplies a wide range of projectors from the leading professional brands and our knowledgeable sales team will help you select the best solution for your unique needs. Whether your project is for the classroom, the boardroom or the theater, we can help you determine the LCD or DLP display technology, resolution strength, lumen brightness and contrast ratio sharpness necessary for your intended projection.

Our highly trained sales representatives understand the intricacies of projection solutions and the accessories required to complete a project efficiently and affordably. By providing the best pricing and broadest range of products IAVI makes sure our customers compete vigorously in today's challenging marketplace.

Dealer Zone

Introducing IAVI Dealer Zone.
Conveniently order online 24/7,
365 days a year!

- Obtain custom pricing, specifically to fit your company's needs.
- Receive instant email confirmation following your order to verify your purchase. We'll even give you a link for tracking to the carrier's website.
- Shipped and unshipped orders available to you on your Order History page - sorted alphabetically or by order number.
- Receive an invoice notification immediately after your order is processed.
- Always have a dedicated IAVI Sales Rep attend to any and all of your Pro AV needs in addition to our easy to use online application!



Save some time,
buy online!

Because we know you're thinking about Pro AV 24/7, just like us, we've carefully crafted a fast, powerful, and user-friendly system, for ordering Pro AV products directly from the convenience of your web browser.

Obtain custom pricing,
specifically to fit your
company's needs!

With the introduction of Dealer Zone, you now have an app for convenient and easy online ordering and your always dedicated IAVI Sales Rep ready to attend to any and all of your Pro AV needs!

Dealer Zone is innovative, convenient to use, always available and provides fully customized pricing to fit your business needs. Dealer Zone is designed to offer you an instant view of real-time stock availability and access to our complete product-line.

*you're just one
click away from
custom pricing!*

USERNAME |

PASSWORD



Get started today! Visit iavi.com/dealers



* AVAILABLE WITH AND WITHOUT A LENS.

Built to deliver even in large venues

Image correction, outstanding color and brightness & the durability it takes for long-term, continuous operation.



WD8200U/LU

Widescreen Large Venue Projector

The WD8200U widescreen projector has what it takes to perform even in brightly lit auditoriums and halls. High definition images project with superior contrast and brightness while Texas Instruments BrilliantColor™ technology ensures truer and more vibrant color. The DLP projector features dual lamps that only require one hour of down-time a week and a self-cleaning reusable filter, ideal for non-stop operation. If you want enhanced richness and depth of color you can switch the high-brightness color when used with an optional six-segment color wheel.

If you want to project a single image using multiple projectors side-by-side, color and brightness are adjusted on the edges so you get a seamless projection. The DLP projector also adjusts the image for projection onto curved surfaces. If you need a long-running widescreen projector that delivers high quality images at trade shows or special events, the WD8200U is your perfect solution.

When you're presenting at a trade show or special event, you want a DLP® projector that provides high quality performance and dependability.

- Can operate around the clock, long-term
- 6500 lumens for super bright images
- Interchangeable color wheel when you want enhanced richness and depth of color (optional)
- Corrects for color, sharpness, curved projection surfaces and side-by-side projectors

RESOLUTION	WXGA (1280 x 800)
BRIGHTNESS	6,500 ANSI Lumens
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	21.6 lbs (Excluding Detachable Terminal Cover)
WARRANTY	3 Year Parts and Labor
LAMP PART #	VL7-XD8000LP
SPECIAL FEATURES	Dynamic Sharpness Control, Built-In Multi-Screen Processor, Color Matching and Edge Blending, Auto Cleaning Robot, Liquid-Cooling System, Optional Lenses for Various Venues, Multi-Lamp System and Lamp Relay Function, Dynamic Iris, Web Browser Control



XD8100U/LU

XGA Large Venue Projector

We've raised the bar for digital projectors with the new XD8100U XGA projector

Highest Quality Images Even in Bright Halls or Auditoriums

Present with confidence even in the largest rooms with the XD8100U XGA projector. Images are reproduced in high contrast and superior brightness and with its dual lamp design it will allow for continuous projection for long periods of time. This DLP projector offers truer, more vibrant color with Texas Instruments BrilliantColor™ technology.

Designed for Easy Usability & Maintenance

Depending on a particular presentation's needs, you can change out the high-brightness color wheel on your data projector with an optional six-segment color wheel that emphasizes richness and depth of color. The filter is self-cleaning and reusable. Each of the dual lamps needs only one hour of shut-down every week, so you can meet even the most challenging projection needs, including continuous operation over long periods of time.

The XD8100U is equipped with an automated and reusable self-cleaning filter. This combination of a mesh filter and cleaning brush helps protect and prevent dust and dirt particles from entering and affecting the internal components of the projector. Additionally this automated self-cleaning filter design not only helps reduce maintenance efforts but its reusable design makes it very eco-friendly and lowers the overall total cost of ownership.

- Brightness: 7,000 ANSI Lumens
- XGA (1024 x 768) Resolution
- 2,000:1 Contrast Ratio
- Edge Blending
- Dual-Lamp Projection
- Geometric Correction

REPLACEMENT LAMP VL7-XD8000LP



UD8400U/LU

Full HD Large Venue Projector

Get the extra screen you want and much more with the new UD8400U widescreen projector

This new WUXGA (1920 x 1200) DLP projector goes beyond 1080p, providing extra resolution ideal for video editing and computer displays. Perfect for large venues, this data projector also offers SDI (Serial Digital Interface), outstanding image projection and reliability for continuous operation.

Versatile High Definition

The UD8400U widescreen projector offers WUXGA 1920 x 1200 resolution, providing 120 extra non-image lines to play with, so time code information or other data can be viewed above and below the image for video editing. SDI also sets this DLP projector apart from the rest. SDI allows for uncompressed video information, resulting in better quality and more flexibility in video feeds.

- Brightness: 6,500 ANSI Lumens
- WUXGA (1920 x 1200) Resolution
- 2,000:1 Contrast Ratio
- Edge Blending
- Dual-Lamp Projection
- Geometric Correction
- Provides extra resolution to place information that would otherwise display over the video image
- New SDI accepts uncompressed HD, SD and 3G video for better quality and flexibility
- Automatically corrects for color, sharpness, curved projection surfaces and multiple screens
- Capable of continuous long-term operation

REPLACEMENT LAMP VL7-XD8000LP



UL7400U/LU

WUXGA Large Venue Projector

High brightness, contrast and clarity for extra-widescreen presentations

The Right Choice for Presenting in Large Meeting Rooms

Deliver high quality presentations in big meeting rooms, halls or theater-like settings with UL7400U LCD projectors, presenting vibrant images even when the lights are up.

Ultra-Widescreen LCD Presentation Projectors

With liquid-crystal projections you can present beautiful images to large audiences in ambient light. Reproductions use 5,000 lumen brightness and a high contrast ratio of 2000:1 and images are sharp and crisp every time.

Advanced Processing and Auto Correction

Blurred components of original images are automatically corrected for quality by an innovative Mitsubishi Electric image processing algorithm, resulting in finely detailed projections. Curved surface projection is corrected, allowing for unique applications at event sites. The projector also corrects for trapezoidal and diagonal distortion.

Multi-Projector Network Connectivity

Operate up to 250 integrated LCD projectors remotely using the RJ-45 LAN terminal, a standard feature with the UL7400U presentation projectors. Remotely control functions such as message display, power on/off and lamp service hours confirmation. And management is simplified with built in AMX Device Discovery.

- Brightness: 5,000 ANSI Lumens
- WUXGA (1920 x 1200) Resolution
- 2,000:1 Contrast Ratio
- Geometric Correction

REPLACEMENT LAMP VL7-XL7100LP





* AVAILABLE WITH AND WITHOUT A LENS.

Deliver big, vibrant images from the shortest focal distance

Present in Wide Screen with Confidence Even in the Smallest Classroom or Conference Room.



WD380U-EST

Widescreen Ultra Short Throw Projector

This short throw projector delivers big, vibrant images from the shortest focal distance available in the industry. Its many features make this versatile and high quality wide screen data projector the perfect choice for small room presentations. The portable, lightweight 9 lb WD380U-EST is built for convenience. You get longer service life from the 6,000 hour long-life DLP projector lamp, substantially reducing operating cost and labor needed for changing the lamp.

When it's time to change the lamp, it's top-loading for easier maintenance. High 2,800 lumen brightness ensures presentations are vibrant and viewable even with the lights on.

Using a large-diameter lens and optimal optical engine design, the WD380U-EST DLP projector features an extremely short throw ratio of only 0.375. Place the short throw projector as close as 80 inches to the screen and you'll get large, wide screen projection that can be enjoyed without visual interference.

- Wide screen with ultra short throw ratio of 0.375
- Higher 3000:1 contrast with Dark Chip3
- HDMI compatible
- Compatible with Crestron® Room View software
- Closed caption support
- 3D-Ready
- USB or PC-less Display

RESOLUTION	WXGA (1280 x 800)
BRIGHTNESS	2,800 ANSI Lumens
CONTRAST RATIO	3,000:1
DISPLAY TECH	DLP
WEIGHT	9 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	VLT-XD560LP
SPECIAL FEATURES	3D-Ready, USB Display, LAN Display, PC-less Presentations, Wireless Compatibility, Closed Caption, Digital Input, Wall Screen Support



Wide angle presentation projectors with table top convenience



Projects Beautifully in Small Venues

Insufficient space is no longer an issue with EW331U-ST short throw projectors. All you need is 24.8" to project a clear, easy-to-read screen image approximately the size of a 60" screen. When placed on the tabletop edge, the EW331U-ST presentation projectors clear workspace and eliminate issues with the projection light path.

High Functionality and Reliability

The wide angle projectors are packed with operational features, like Crestron® and JPLink® compatibility for plug-and-play operation. Lamp life is an impressive 5,000 hours, which translates to lower maintenance and reduced operating costs. Presenters no longer have to speak over the projector, because these projectors offer silent 28 dB operation in low mode. Closed caption as well as 18-language on-screen display capabilities give the short throw projectors added functionality.

EW331U-ST presentation projectors reproduce vivid images using 3,000 lumen brightness and a high contrast ratio of 2700:1. BrilliantColor technology with a six-segment color wheel and Texas Instruments DLP® ensure rich, true-to-source color. Color tone adjusts automatically, so images remain high quality even when projected onto color backgrounds.

- Projects a 60" diagonal image from only 25" away, virtually eliminating presenters shadows
- Brightness: 3,000 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 2,700:1 Contrast Ratio
- 3D-Ready
- Wall Screen Support

REPLACEMENT LAMP VLT-EX320LP



Go to the head of the class with this feature-rich, budget-sensible multimedia projector



Ideal as a boardroom or classroom

projector, the Mitsubishi EX320U-ST XGA projector provides crisp, vibrant images even when projecting close to the screen. You get high quality, plenty of features and a cost that won't break the budget.

Made for Spaces Big and Small

The EX320U-ST portable projector delivers quality and clarity whether you're presenting in a large room or a smaller space. This short throw projector requires a mere 29" to project a clear image about the size of a 60" whiteboard. It can even be placed on the edge of a tabletop, so workspace isn't lost due to the need for a clear projection path. And at just 6.4 lbs it's made for portability.

With the EX320U-ST classroom projector you can be confident that it comes with Mitsubishi quality and multiple features you can depend on. Live-up your presentation with 3D images, viewable with optional electronic shutter glasses. The portable projector also features closed caption capability and Crestron RoomView support enables convenient plug-and-play operation. No more struggling to be heard over the projector because EX320U-ST provides silent 28 dB operation in low mode.

- Projects a 60" diagonal image from only 25" away, virtually eliminating presenters shadows
- Brightness: 2,700 ANSI Lumens
- XGA (1024 x 768) Resolution
- 2,000:1 Contrast Ratio
- 3D-Ready
- Closed Caption
- Wall Screen Support

XD360U-EST XGA / 2500 Lm

REPLACEMENT LAMP VLT-EX240LP



Give interactive presentations using this ultra-short throw, widescreen classroom projector



The WD385U-EST classroom projector lets you interact with presentations using our ground-breaking interactive pens. Performing the functions of conventional computer mice, the pens that come with each short throw projector also enable you to draw or write directly on the projection screen or from a distance in Air Mouse mode. Calibration is never needed and no special projection board is required.

Widescreen from a Short Distance

Project big, beautiful images from as close as 22 inches and with an extremely low throw ratio of 0.375. Using built-in optimal optical engine design and a large-diameter lens, these DLP projectors let the presenter move in front of projected images without being disturbed by projector lights. The classroom projector delivers brilliant images with 2,800 lumen high luminosity and 3000:1 high contrast.

The short throw projector features Crestron® Room View compatibility, allowing you to control power/on/off, message display and confirmation of lamp service hours within a network of up to 250 projectors. With a control software-equipped control room computer connected to the LAN, Visual PA messages of up to 350 characters can be projected in real-time throughout the network.

- Projects a 60" diagonal image from only 23" away—all with no mirrors
- Brightness: 2,800 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 3,000:1 Contrast Ratio
- 3D-Ready

XD365U-EST XGA / 2500 Lm

REPLACEMENT LAMP VLT-XD560LP





* AVAILABLE WITH AND WITHOUT A LENS.

Luminous high brightness, high quality features and design



FD630U

Full HD 1080p Business Projector

The FD630U mobile projector is thoughtfully designed to simplify your presentations with easy operation and low maintenance features. A top-loading lamp makes lamp replacement easy and you never need to move the entire projector to put in a new lamp. Features like an estimated 5,000 hour lamp life when used in low mode and filter-free construction minimize maintenance.

The FD630U brings the super clarity and brilliance of 1080p projection to the classroom, boardroom and conference room. Luminous high brightness, high quality features and design, superior usability and Mitsubishi reliability make this DLP projector ideal for virtually any presentation.

- 1080p resolution provides 2.3 times more pixel density than an ordinary XGA projector, allowing more information and more detailed images on the screen
- Power consumption of less than 1W when in stand-by (low) mode for increased energy savings
- The Visual PA system lets you broadcast important information to multiple rooms and the new Visual PA2 feature provides message input/save and voice announcements
- Filter free design simplifies maintenance and lowers cost under normal conditions

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	4,000 ANSI Lumens
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	8.4 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	VL7-XD600LP
SPECIAL FEATURES	Native 1080p, Digital Input, RJ-45, Closed Caption, Instant Shutdown, Wall Screen Support, Anti-theft Security Hook, BrilliantColor® Technology



WD620U

WXGA Portable Projector

This WXGA projector gives you incredible brightness, ease-of-use and the reliability and durability you expect from Mitsubishi Electric. It's ideal for long and short-distance presentations, so use it with confidence in the boardroom, classroom or conference room.

This DLP projector is ideal for presenting in larger venues, with a brightness level of 4,000 lumens and a 2,000:1 contrast level. Whether at a tradeshow, conference or other large room setting, your presentation will be crisp and clear with the WD620U WXGA projector. Built for convenience, the mobile projector features a top-loading lamp for simple and easy replacement. There's never a need to move the entire projector to replace the lamp.

- Brightness: 4,000 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 2,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-XD600LP



XD600U

XGA Portable Projector

The new XD600U DLP® projector has everything you need in a mobile projector. This cost-saving and high performance XGA projector is prepared for both long and short-distance presentations, from boardrooms and classrooms to conference rooms and tradeshow.

This mobile projector is built for savings. The stand-by (low) mode consumes less than 1 watt, so you use less energy. Structurally semi-sealed, the XD600U eliminates the need for an intake filter under normal conditions and lowers cost. Increased estimated lamp life means lower maintenance and reduced operating cost. Packed with high quality and convenience, the new XD600U DLP® projector has everything you need in a mobile projector.

- Brightness: 4,500 ANSI Lumens
- XGA (1024 x 768) Resolution
- 2,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-XD600LP



WL7200U

WXGA Large Venue Projector

WL7200U LCD projectors make presentation images pop in big meeting venues, delivering vivid color and clarity even in ambient light. These presentation projectors are ideal for big meeting rooms and other large settings. Liquid-crystal projection allows you to present confidently, knowing that images are vibrant without having to dim the lights. Each WL7200U is equipped with 13 clusters of 17 lenses, including an ultra-low dispersion lens that is more efficient than regular glass lenses.

No worries if the original image is isn't perfectly sharp. A Mitsubishi Electric processing algorithm estimates the high-resolution data not provided in the original signal and corrects the image quality. The LCD projectors then reproduce images in fine detail. The WL7200U presentation projectors are equipped with a RJ-45 LAN terminal to give you control remotely. Using Crestron RoomView™, control of up to 250 projectors features such as power on/off and message display. Lamp service hours can be confirmed making maintenance more efficient.

- Brightness: 5,500 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 2,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-XL7100LP



WD3300U

WXGA Installation Projector

It is now more important than ever to stretch your budget dollars, so we're designing new features that reduce operating costs and extend the life of your presentation projector. The WD3300U WXGA projector introduces new color wheel and lamp drive systems that do just that. This DLP® projector shines at 4,000 lumens and 2300:1 contrast for large auditoriums, lecture halls or other venues where you need to project to a very large screen.

Through extensive engineering and testing, Mitsubishi can confirm the WD3300U can be operated 24 hours a day, 7 days a week. Additionally, the WD3300U color wheel is an all new design that integrates magnetic sensors and encloses the system in a nearly airtight housing. The spinning wheel moves air away from the sensors to eliminate dust accumulation and the magnetic signal sensor mitigates the effect of dust as well. Your presentation will be presented with vivid colors and retains out-of-the-box clarity.

- Brightness: 4,000 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 2,300:1 Contrast Ratio

REPLACEMENT LAMP VLT-XD3200LP





Mitsubishi Programs & Information

Mitsubishi **Warranty Program**

Express Replacement Assistance

Mitsubishi's Express Replacement (ERA) is a next business day replacement unit program designed to provide users of Mitsubishi projectors the peace of mind that comes with our commitment to offering high-quality projector products. In the unlikely event that your projector should not operate properly, it is very reassuring to know that a team of knowledgeable technical support professionals is always just a phone call away.

Should a replacement projector become necessary, Mitsubishi's ERA program ensures that a working replacement unit is shipped to you within 24 hours after warranty verification for overnight or next business day delivery (when and where available), thus allowing you to continue with your business with minimal interruption.

*When technical support is needed, immediately call our toll-free technical support hotline at **1 (888) 307-0309.***

Program Procedures and Guidelines

Mitsubishi's technical support will work to resolve your problem over the phone. Should a replacement unit become necessary, you will be required to provide the serial number of your projector and its proof-of-purchase to show the effective date of your warranty. A copy of an invoice for the specific projector you are calling about would be sufficient.

During the processing of the replacement paperwork, please be reminded that Mitsubishi is arranging to ship you a unit that is second to your purchased unit. Therefore, in order to minimize our exposure to losses, Mitsubishi will require a credit card (VISA, MasterCard or American Express), or a company purchase order as security collateral to ensure the prompt return of the defective unit in good condition.

Reseller **SPIFF PROGRAM**

Don't miss your chance to earn extra money with Mitsubishi's Online Spiff Program!

Mitsubishi provides spiffs on all their Projectors and Monitors. Resellers have 30 days after the close of a calendar quarter to claim their spiffs.

Visit <https://mdea.altourawards.com> to get started and enjoy the following benefits:

- Go green with paperless claims
- Submit claims 24 hours a day
- Track claim and award status
- Email notifications & confirmations

Mitsubishi is GSA Compliant



Government & Education Sales Program

Get a 5% discount on most projectors and LCD Commercial Monitors.

5%



XD550U

Feature Rich XGA Projector

Highly portable at just 7.7 lbs, the XD550U data projector makes presentations easy and worry-free. Power turns off automatically when no image signal is out for a predetermined period of time set by you. The DLP projector features a lamp life estimated to last up to 6,000 hours (low mode), making lamp changes few and far between. When it's time to change the lamp out, the top-loading design makes the process fast and easy. No need for external speakers with the high volume 10W built-in speaker, although an external speaker can be connected via the audio-out terminal.

The versatile XD550U projector reproduces images from a computer, VGA, USB, LAN or wirelessly using a commercially available wireless dongle. Present slideshows or animation effects on the DLP projector by saving PowerPoint files converted to a special format onto a USB drive. Simply connect the device to the USB port and your slides are ready to view.

The XD550U portable projector comes backed by the Mitsubishi 3-year parts and labor warranty, 1-year/500 hour lamp warranty and 3 years on the Express Replacement Assistance (ERA) program.

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	3,000 ANSI Lumens
CONTRAST RATIO	3,000:1
DISPLAY TECH	DLP
WEIGHT	7.7 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	VLT-XD560LP
SPECIAL FEATURES	PC-Less presentation, Remote Management, 3D-Ready, USB Display, LAN Display, Closed Caption, Digital Input, Wall Screen Support



Feature-Packed High Value Projection

Images are crisp, bright and vivid, & the user-friendly display makes presentations easier & more convenient than ever



XD560U

XGA Portable Projector

The XD560U DLP projector is the portable projector to take along to the classroom, boardroom, or other small venue. Images are crisp, bright and vivid, & the user-friendly display makes presentations easier and more convenient than ever.

Quality presentations are simple and convenient with the XD560U data projector. A 6000 hour long-life lamp reduces operating and maintenance costs, and the DLP projector top-loading design means changing the lamp is simple. The automatic power-off function kicks in when no signal is output for a period of time that you determine.

The DLP projector lets you present slideshows or animation effects without a PC. PowerPoint files can be converted into a special format, saved on a USB drive and then connected to the XD560U portable projector through the USB port.

- Brightness: 3,500 ANSI Lumens
- XGA (1024 x 768) Resolution
- 3,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-XD560LP



EX321U-ST

XGA Short Throw Projector

Looking to provide vivid and cost-effective presentations in rooms large or small? Go with the EX321U-ST. Efficient and reliable with high image quality, these short throw projectors are built to please. With the EX321U-ST you can project a crisp, clear image the approximate size of a 60" diameter white board from less than 30". And you can place this projector on a tabletop to clear up workspace and provide a clear projection path.

EX321U-ST short-throw projectors offer multiple features and reliability. Enjoy 3D images when using optional electronic shutter glasses. Plug-and-play operation is enabled by Crestron RoomView support and closed caption capability. Silent 28 dB operation in low mode allows audiences to hear the presenter clearly.

- Brightness: 3,000 ANSI Lumens
- XGA (1024 x 768) Resolution
- 2,700:1 Contrast Ratio

EW331U-ST WXGA / 3,000 Lm

REPLACEMENT LAMP VLT-EX320LP



WD570U

WXGA Portable Projector

If you're looking for a widescreen, portable projector that delivers outstanding presentations in the classroom and conference room, the new WD570U DLP projector is an ideal solution. This data projector projects big in small rooms, delivering excellent brightness and clarity.

This portable projector is 3D-ready and features built-in convenience and simplicity. The 6,000 hour long-life data projector lamp substantially reduces operating cost and labor, and top-loading makes a lamp change fast and easy.

The WD570U DLP projector reproduces images from a computer, a VGA, USB or LAN cable. Or go wireless with a commercially available wireless dongle. Up to four images can be displayed via a LAN and up to four computers can be connected to one projector.

- Brightness: 3,500 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 3,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-XD560LP



EX240U

XGA Portable Projector

The EX240U XGA projector offers high-quality performance and superior technology at a very budget-friendly price. Perfect for higher education or corporate applications, images can be rendered in stunning 3D.

Weighing in at only 5.3 pounds, the highly portable EX240U mobile presentation projector is the ideal classroom projector. A direct power-off function eliminates power-down time and allows presenters to make quick exits. The substantial 4,000 hour lamp life reduces overall cost of ownership with fewer replacements while the convenient top-loading lamp makes installation and replacement simple and easy.

In the classroom or at a meeting, count on the EX240U XGA projector to deliver the superior quality and function you'd expect in a much more expensive model.

- Brightness: 2,500 ANSI Lumens
- XGA (1024 x 768) Resolution
- 2,000:1 Contrast Ratio

REPLACEMENT LAMP VLT-EX240LP





CLM-HD6

Full HD Installation Projector

Barco's CLM-HD6 projector is designed on an efficient hardware platform. It offers a 6,000 lumens light output, full HD resolution and advanced input options at a highly competitive price. It is primarily designed for meeting rooms, medium-sized auditoriums, lobbies and museums. The CLM-HD6 is a single-chip DLP projector with advanced color saturation and a full HD resolution. The projector's resolution and 6,000 lumens light output are ideal for single-screen applications that require a clear image and need to feature modern, high-definition images and video without quality loss.

The CLM-HD6 is an attractive option for customers that want to project in bright HD and need the best quality guarantee at the most comfortable price. Due to its power-saving options, redundant lamp system and durable, proven technology, the CLM also offers a low total cost of ownership. If you want a reliable, bright and silent unit that does the job, the CLM-HD6 was designed for you.

- Brightness: 6,000 center lumens, 5,700 ANSI lumens
- Resolution: Full HD (1920 x 1080)
- Contrast Ratio: 1,300:1

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	6,000 Center Lumens (5,700 ANSI Lumens)
CONTRAST RATIO	1,300:1
DISPLAY TECH	DLP
WEIGHT	53 lbs
WARRANTY	2 Year Standard, 3rd Year Optional
LAMP PART #	R9801015
SPECIAL FEATURES	3D ready (optional)



*Bright, silent
and reliable*



NW-7 Galaxy

WUXGA Installation Projector

Barco's Galaxy NW-7 is the most cost-effective three-chip DLP projector designed for multi-channel applications on the market today. It features both active 3D stereo and patented active Infitec capabilities. With its built-in active 3D stereo capabilities, Barco's Galaxy NW-7 comes readily equipped for applications that require 3D, including geophysical data analysis, product design, architectural simulation or scientific research. Its dual link DVI input maintains a full digital link between IG and projector without compromising stereo rates.



- Brightness: 7,000 ANSI Lumens, Resolution: WUXGA (1920 x 1200)
- Contrast Ratio: 2,000:1
- Edge blending technology creates one continuous image without blurry overlap zones where projections converge.
- DynaColor and linked constant light output (CLO) ensure the same light and color levels across the entire screen.
- Warping (geometry correction) enables accurate projection from different angles and across spherical or curved surfaces.

REPLACEMENT LAMP R9843085



RLM-W12

WUXGA Installation Projector

Thanks to its standard active 3D capabilities, low noise level and high light output, the cost-effective RLM-W12 is a perfect fit for fixed installation in conference auditoriums, lecture halls, and infotainment applications. Geared with an optional ceiling mount or stacking frame, the RLM-W12 can also be used for events. What's more, the RLM-W12 is equipped with TLD lenses, making it fully compatible with Barco's HDX and FLM projector families.



- Brightness: 10,500 ANSI Lumens, Resolution: WUXGA (1280 x 1200)
- Contrast Ratio: 1,600:1
- Control over IP
- Standard active 3D
- Low power consumption
- Rental frame available

RLM-W6 6,300 Lm
RLM-W8 8,000 Lm

REPLACEMENT LAMP R9801087



FLM-R22+

SXGA+ Large Venue Projector

Barco's FLM-R22+ is an ultra-bright, durable projector with picture-in-picture capabilities. It is a perfect fit for any large venue that requires extra brightness to show clear, crisp images in a luminous environment. Thanks to its 22,000 lumens light output, the FLM-R22+ is able to display widescreen, high-contrast images of superior quality even in venues with lots of ambient light. Through its superior video processing and picture-in-picture capabilities, you can make your presentations more interactive and energizing without the need for extra peripherals.



- Brightness: 21,000 ANSI Lumens, Resolution: SXGA+ (1400 x 1050)
- Contrast Ratio: 1,700:1
- Liquid Cooling
- Sealed engine with constant image quality over time
- Low video delay, very important when broadcasting live events

REPLACEMENT LAMP R9854535



FLM-HD20

Full HD Large Venue Projector

Barco's FLM-HD20 is an ultra-bright, durable projector with full HD picture-in-picture capabilities. Thanks to its 20,000 lumens light output, it can display widescreen, high-contrast images of superior quality even in venues with lots of ambient light. Through its superior video processing and picture-in-picture capabilities, you can make your presentations more interactive and energizing without the need for extra peripherals.



- Brightness: 20,000 Center Lumens, Resolution: Full HD (2048 x 1080)
- Contrast Ratio: 2,100:1
- Liquid Cooling
- Most silent projector in its class
- Universal lamp house for all FLM projectors
- Low video delay (broadcast live events)
- Fit for any widescreen & creative application

REPLACEMENT LAMP R9854535



XLM-HD30

Full HD Large Venue Projector

Barco's XLM-HD30 is the brightest projector in the world that is natively equipped with picture-in-picture technology. Its XLM-HD30's 30,000 lumens light output is strong enough to conquer any ambient light condition, and project images in deep, saturated colors on a large screen. Through its superior video processing and picture-in-picture capabilities, you can make your presentations interactive and energizing without the need for extra peripherals. In addition, it is amazingly quick to set up.



- Brightness: 30,000 ANSI Lumens, Resolution: Full HD (1920 x 1080)
- Contrast Ratio: 2,000:1
- Liquid Cooling
- Multi image windowing
- Motorized tilt adjustment
- High quality edge blending

REPLACEMENT LAMP R9852411



HDX-W18

WUXGA Large Venue Projector

Barco's compact and powerful HDX-W18 projector combines full source flexibility with ImagePRO scaling capabilities. Thanks to its Xenon illumination and high contrast optical engine this three-chip DLP projector reproduces rich colors, presenting audiences with crisp and vivid images on every occasion. What's more, the simple user interface allows you to set up the projector in no time. Finally, the HDX-W18 offers easy control through smartphones and tablet computers.



- Brightness: 17,500 ANSI Lumens, Resolution: WUXGA (1920 x 1200)
- Contrast Ratio: 1,700:1
- 3D Ready
- Wireless control
- Native 3G HD-SDI/SDI input

HDX-W12 12,000 Lm
HDX-W14 14,000 Lm

REPLACEMENT LAMP R9864130



INSTALLATION EXHILARATION



The LCD Projectors of Choice, Now with More Choices.

Hitachi's Installation Series LCD projectors brings large venue performance and superior networking connectivity to a variety of applications. The Installation Series is designed to facilitate ceiling mounting in mid to large size spaces and incorporates a robust set of innovative, performance enhancing features that will leave any audience exhilarated and enthralled. Hitachi award-winning projectors offer superior reliability, advanced and flexible technology, and hassle-free maintenance. All this, but with a low cost of ownership. Plus, each Hitachi projector is backed by a generous warranty and our world-class service and support programs. More choices. More solutions. Contact Hitachi today to learn which Installation Series LCD projector is right for your specific application.

1.800.HITACHI
hitachi-america.us/projectors



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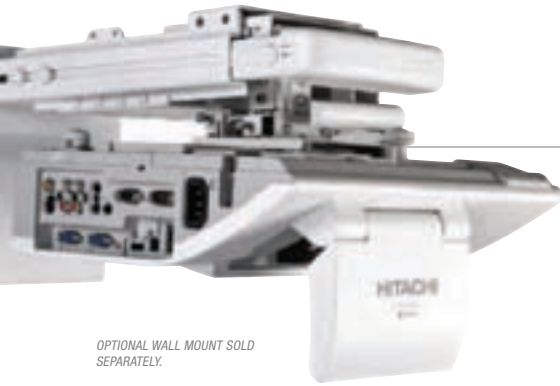


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HITACHI
Inspire the Next



HITACHI CP-A222WN

Inspire the Next XGA Ultra-Short Throw Projector

The perfect balance of technology and design. The light weight and compact CP-A222N Ultimate Short Throw projector offers the highest quality images with a compelling design and low cost of ownership. The compact and lightweight chassis makes the CP-A222N easy to install and flexible to use. With an optional wall mount or table top stand you can project onto any existing whiteboard, wall or table top.

Additionally, Perfect Fit 2 enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	2,200 ANSI Lumens
CONTRAST RATIO	4,000:1
DISPLAY TECH	3LCD
WEIGHT	8.6 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	DT01831
SPECIAL FEATURES	Wireless Ready, PJMessenger, PC-Less Presentation, 10 Watt Audio Output, IR Remote Frequency Change, Template Function, Present Content via LAN, Drawing Function with Optional Tablet

Fully featured ultra short throw projector with network capabilities and a low operating cost all in a compact design.



- Full Interactive
- Resolution: XGA (1024 x 768)
- Brightness: Normal Mode - 1500 ANSI Lumens, Bright Mode - 2200 ANSI Lumens
- Screen Size: 80" image from only 20"
- Hybrid Filter: 4000 hour cleaning cycle
- Advanced Networking Features
- 10W Speaker Output

CP-A301N	XGA / 3000 Lm
CP-AW251N	WXGA / 2500 Lm
REPLACEMENT LAMP	DT01831



HITACHI CP-AW2519N

Inspire the Next WXGA Interactive Projector

The Ultimate Short Throw series provides high performance projection in small spaces. By integrating Hitachi Starboard software with advanced projector technology, the CP-AW2519N can deliver the complete interactive experience on any flat surface. The compact, lightweight chassis makes this projector easy to install and flexible to use. With an optional wall mount or table top stand you can project onto any existing whiteboard, wall or table top.



- Fully interactive
- Brightness: 2500 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- 6,000 Hour Lamp Life (Eco Mode): Another key to low total cost of ownership is a long life lamp. The lamp is rated at 3,000 hours in standard mode and 5,000 hours in Eco mode
- 2000:1 Contrast Ratio: Contrast can be automatically controlled through an active iris to add depth perspective during both bright and dark scenes.
- 80" image from only 21"
- Hybrid Filter: 4,000 hour cleaning cycle
- Advanced networking features
- Suitable for any flat surface
- Bundled with Hitachi Starboard software & Interactive pen

REPLACEMENT LAMP DT01251



HITACHI CP-D31N

Inspire the Next XGA Short Throw Projector

The Hitachi CP-D31N is a fully featured direct short throw projector with high brightness and XGA resolution. The CP-D31 includes a powerful 10w audio speaker and a full set of networking features.



- Short Throw 32" for 80" Screen
- 3,000 ANSI Lumens White/Color Output: 3,000 lumens of white light output in conjunction with equal color light output project bright, clear, true to life images in any application.
- Resolution: XGA (1024 x 768)
- 2000:1 Contrast Ratio: Contrast can be automatically controlled through an active iris to add depth perspective during both bright and dark scenes.
- Hybrid Filter (4,000 hours between maintenance): Hitachi's hybrid filter consists of a two-stage, layered design and an electrostatic filter, providing dust protection for up to 4,000 hours.
- Present content over LAN
- My Button / My Source, Doc Camera, Pin Lock / My Screen / My Text
- HDMI connectivity
- Easy Maintenance

CP-DW10N	WXGA / 2000 Lm
REPLACEMENT LAMP	DT01123





HITACHI CP-X8160

Inspire the Next XGA Installation Projector

Hitachi's new Installation Series projectors feature a sleek, low profile chassis with a center lens design. Included are two HDMI ports allowing digital connection via a single cable for the highest quality video and audio from various types of equipment. Flexible installation features include motorized lens shift, zoom and focus, giving you a wide area to set the projection, all done through the remote control. In addition, there is lens memory function that is capable of storing up to three lens shift settings.

Hitachi's new CP-X8160 projector is geared simple and user-friendly functionality in any environment. With a convenient motorized lens shift and a 360° vertical tilt angle, images can be seamlessly adjusted or moved at the touch of a button. With a wide range of optional lenses, the CP-X8160 can adapt to anything, from conference rooms and theatres, to museums or anywhere requiring a creative solution.

- Motorized Lens Shift, Zoom and Focus
- Wide range of Optional Lenses
- Dual HDMI Inputs
- Status Monitor: Notifications of projector status
- Wide range of optional lenses
- Reduce power consumption - less than 0.3W in Standby Mode
- High performance filter - lasts up to 20,000 hours

CP-X8150 XGA / 5000 Lm / Lamp # DT01281

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	6,000 ANSI Lumens
CONTRAST RATIO	3,000:1
DISPLAY TECH	3LCD
WEIGHT	19.18 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	DT01291
SPECIAL FEATURES	360° Vertical Tilt Angle, Optional Wireless Network Feature, AMX Device Discovery, Crestron RoomView®



Advanced technology results in superior reliability and quality with a low profile design.



HITACHI CP-WX11000

Inspire the Next WXGA Installation Projector

Already renowned for its reliability, Hitachi unveils its most reliable and flexible Professional Series Installation Projector yet. Uncompromising quality, flexibility of installation and extended product life are features on offer with Hitachi's Professional Series Installation Projectors.

Life of the product is extended considerably with virtually maintenance free inorganic LCD panels and polarizer filters. A wide lens shift and a wide variety of optional lenses provide greater range of movement and projection distances. This series also boasts superb quality with an impressive contrast ratio of 2500:1 (with Iris), a 10-bit digital signal processor and a high quality scaler chip on board.

This wide format projector from the Professional series is ideally suited for larger venues. The CP-WX11000 also features 6,500 lumens and several different lens options. Life of the product is extended considerably with virtually maintenance free inorganic LCD panels and polarizer filters. A wide lens shift and a wide variety of optional lenses provide greater range of movement and projection distances.

- Motorized Lens Shift, Zoom and Focus
- Brightness: 6,500 ANSI Lumens
- HD Ready, Resolution: WXGA (1366 x 800)
- Contrast ratio: 2,500:1
- Super Hybrid Filter: 20,000 hour cleaning cycle
- Lamp life: 4,000 hours (Eco Mode)
- Wired networking feature
- 6 optional lenses

REPLACEMENT LAMP DT01001



HITACHI CP-WU8450

Inspire the Next WUXGA Installation Projector

Hitachi's new CP-WU8450 projector is geared up for simple and user-friendly functionality in any environment. With a convenient motorized lens shift and a 360° vertical tilt angle, images can be seamlessly adjusted and moved at the touch of a button. Plus, with a wide range of optional lenses, the CP-WU8450 can adapt to any environment, from conference rooms and lecture theatres, to museums or anywhere requiring a creative solution.



- Motorized Lens Shift, Zoom and Focus
- Wide range of Optional Lenses
- Brightness: 5,000 ANSI Lumens
- Resolution: WUXGA (1920 x 1200)
- Contrast Ratio: 3,000:1 (Presentation Mode)
- Long lamp life - 3,000 hours (Eco Mode)
- High performance filter - lasts up to 20,000 hours in Eco Mode
- Wide range of optional lenses
- AMX Device Discovery and Crestron RoomView®

CP-WU8440 WUXGA / 4000 Lm / Lamp # DT01281
CP-WU8450 WUXGA / 5000 Lm / Lamp # DT01291



HITACHI CP-WX8255

Inspire the Next WXGA Installation Projector

Hitachi's new CP-WX8255 projector is geared up for simple and user-friendly functionality in any environment. With a convenient motorized lens shift and a 360° vertical tilt angle, images can be seamlessly adjusted and moved at the touch of a button. Plus, with a wide range of optional lenses, the CP-WX8255 can adapt to any environment, from conference rooms and lecture theatres, to museums or anywhere requiring a creative solution.



- Motorized Lens Shift, Zoom and Focus
- Wide range of Optional Lenses
- Brightness: 5,500 ANSI Lumens (Normal Mode)
- Resolution: WXGA (1280 x 800)
- 3,000:1 Contrast ratio (Presentation Mode)
- Long lamp life - 3,000 hours (Eco Mode)
- High performance filter - lasts up to 20,000 hours in Eco Mode
- Wide range of optional lenses
- Status Monitor: Notifications of projector status

CP-WX8240 WXGA / 4000 Lm / Lamp # DT01281
CP-WX8255 WXGA / 5500 Lm / Lamp # DT01291



Available in the Professional Series

CP-X10000

XGA (1024 x 768)
7500 ANSI Lumens



CP-WX11000

WXGA (1366 x 800)
6500 ANSI Lumens



CP-SX12000

SXGA+ (1400 x 1050)
7000 ANSI Lumens





HITACHI CP-X2515WN

Inspire the Next XGA Portable Projector

Designed for medium sized education and corporate venues, Hitachi's CP-X2515WN allows users to wirelessly present via a PC placed anywhere in a room. With an exceptional high contrast ratio and long life lamp the CP-X2515WN delivers a superb image, simple user functionality with a low total cost of ownership.

- Brightness: 2,700 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 3,000:1
- Quick On and Auto Off
- Multi PC Mode
- Extended Hybrid Filter life with up to 5,000 hour filter
- Extended lamp life up to 5,000 in standard mode (6,000 in Eco mode)
- Advanced Features: Wireless & Network RJ-45
- PC-less presentation
- Includes ImageCare – Lamp Power Controller
- USB Cloning Feature
- AMX Device Discovery and Crestron RoomView®

CP-X2015WN	.....	XGA / 2400 Lm
CP-X2515WN	.....	XGA / 2700 Lm
CP-X3015WN	.....	XGA / 3200 Lm
CP-X4014WN	.....	XGA / 4000 Lm

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	2,700 ANSI Lumens
CONTRAST RATIO	3,000:1
DISPLAY TECH	3LCD
WEIGHT	8.15 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	DT01371
SPECIAL FEATURES	PJ Messenger, Cloning Function, Drawing Function with Optional Tablet (TB-1), Display via USB, PC-Less Presentation, PIN Lock / MyScreen / MyText, ImageCare Technology



*High performance
LCD that captures your
attention.*



HITACHI CP-X2521WN

Inspire the Next XGA Classroom Projector

Designed for mobile business professionals, Hitachi's compact and lightweight CP-X2521WN portable projector delivers a superb high contrast image. With wireless network capabilities and simple user functionality users can set up their presentations in seconds.



- Brightness: 2,700 ANSI Lumens (Eco Mode - 1,900 Lumens)
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- Hybrid Filter: 5,000 hour
- Lamp life: 5,000 hours (Eco Mode)
- Networking Capabilities
- Full Connectivity
- Low noise level - 28dB in Eco Mode
- PC-Less presentation
- HDMI Connectivity
- 1W Audio Output
- AMX Device Discovery and Crestron RoomView®

CP-X3021	.....	XGA / 3200 LM
REPLACEMENT LAMP	.....	DT01191



HITACHI CP-WX4021N

Inspire the Next XGA Collegiate Projector

Offering a widescreen aspect ratio, the CP-WX4021N also features 4,000 lumen brightness and a 16W audio output, a great projector for any collegiate environment. This versatile and feature rich model can either be stacked vertically or positioned horizontally to deliver superb images at a fraction of the cost of higher brightness models.



- Brightness: 4,000 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 2,000:1
- Perfect Fit
- Built in 16W speakers
- PC-Less presentation
- Configure and control projector via network with a web browser
- Full connectivity including HDMI
- Network Ready
- AMX Device Discovery

CP-X3021	.....	XGA / 3200 LM
REPLACEMENT LAMP	.....	DT01191



HITACHI CP-WX3015WN

Inspire the Next WXGA Classroom Projector

Designed for medium sized education and corporate venues, Hitachi's CP-WX3015WN Wireless Option allows users to present via a PC placed anywhere in a room. With an exceptional high contrast ratio and long life lamp the CP-WX3015WN delivers a superb image, simple user functionality with a low total cost of ownership.



- Brightness: 3,000 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 3,000:1
- Extended Hybrid Filter life with up to 5,000 hour filter
- Extended lamp life up to 5,000 in standard mode (6,000 in Eco mode)
- Advanced Features: Wireless & Network RJ-45
- Full connectivity including HDMI
- Includes ImageCare – Lamp Power Controller
- USB Cloning Feature
- AMX Device Discovery and Crestron RoomView®

CP-X3015WN	.....	XGA / 3200 LM
REPLACEMENT LAMP	.....	DT01021





A Home Theater projector for the true videophile.



Panasonic ideas for life

PT-AE7000U Full HD Home Theater Projector

The PT-AE7000U is Panasonic's first Full HD 3D home theater projector with a 1080p (1,920 x 1,080 pixel) resolution. The PT-AE7000U is also the world's first 3D projector to use transparent LCD panels driven at 480Hz that combined with Panasonic's original Overdrive Technology, realizes significantly low crosstalk. Thanks to the newly-developed optical engine, which produces an incredible 300,000:1 contrast ratio and 2,000 lumens of brightness, the PT-AE7000U delivers both stunning 2D images and a comfortable and immersive 3D viewing experience at home. The optical system of the PT-AE7000U features a new 200 Watt Red-Rich Lamp and new LCD panels with larger aperture ratio for increased red luminance and brightness output.

The combination of fully-optimized Pure Contrast Plates, Pure Color Filter Pro and Dynamic Iris Pro has resulted in a 300,000:1 contrast ratio and 2,000 lumens of brightness. This produces brighter images with excellent coloring and deep blacks with fine shadow details. Other 3D features include 2D-3D Conversion, which converts 2D content into 3D images for 3D projection with five different 3D effect modes. The PT-AE7000U comes rich with features for those looking to customize their home theaters. Many Blu-ray Discs and DVDs come in aspect ratios that are even wider than the projector's 16:9 aspect ratio to match the image size (2.35:1) seen in movie theaters. The projector's Intelligent Lens Memory feature makes it possible for the user to easily program up to six different zoom/focus positions. Automatic switching between 16:9 and 2.35:1 video content is also possible thanks to the signal aspect detection capability on the PT-AE7000U.

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	2,000 ANSI Lumens
CONTRAST RATIO	300,000:1 (Dynamic)
DISPLAY TECH	3LCD
WEIGHT	19.2 lbs
WARRANTY	1 Year Parts and Labor
LAMP PART #	ET-LAA310
SPECIAL FEATURES	3D Ready, Up to 5,000-Hour Lamp Replacement Cycle and Simple Maintenance, Dynamic Iris Pro, Smooth Screen Technology, Intelligent Lens Memory



Panasonic PT-AR100U ideas for life Full HD Home Theater Projector

The PT-AR100U lets friends and family enjoy full-high definition large screen entertainment from movies, to sports to video games. The PT-AR100U Full High-Definition LCD Home Theater Projector with 1080p (1,920 x 1,080 pixel) delivers bright, sharp images by employing a new, high-power 280-watt Red-Rich Lamp and optical unit that generates 2,800 lumens of brightness for comfortable viewing in various lighting conditions.

In addition to the 50,000:1 contrast ratio, its advanced Light Harmonizer 3 feature uses built-in ambient light and color sensors that automatically adjust the picture quality to match living room or theater room conditions to maintain bright, crisp pictures.

- Brightness: 2800 ANSI Lumens
- Resolution: Full HD (1920 x 1080)
- Contrast Ratio: 50,000:1
- 3LCD Technology
- Weighs 19 lbs
- 1 Year Warranty



REPLACEMENT LAMP ET-LAA1100



Panasonic PT-CW230U ideas for life WXGA Ultra-Short Throw Projector

A large 80" diagonal image from the world's shortest projection distance of about 13 inches is achieved by a newly developed ultra short-focus mirror optical system. This projector is perfect for giving effective lectures or presentations in educational settings, with a maximum projected image size of 110" diagonal. This projector can be placed in a variety of locations including table tops, walls, ceilings, or floors. This projector offers long periods of maintenance-free use, without the need for lamp replacement and filter replacement. The PT-CW230U is equipped with Panasonic's proprietary hybrid filter, composed of multiple filter layers, and the lamp life has been improved compared to conventional models. The longer lamp lifespan and long life filter saves time and money.

- Brightness: 2,500 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 2000:1
- Weights 13.7 lb
- Projects an 80" image from 13" away
- 3D-Ready



PT-CX200U Short Throw Projector XGA / 2500 Lm
REPLACEMENT LAMP ET-LAC100



Panasonic PT-ST10U ideas for life XGA Short Throw Projector

The PT-ST10U can project an impressive 80" diagonal image from just 2.7-feet away from the screen, allowing users to create big pictures in tight spaces such as small classrooms, conference rooms and trade show booths.

Enhancing its go-to educational application, the PT-ST10U is ideal for use with Interactive White Boards, and offers a White Board Mode that automatically adjusts brightness to suit the white board surface. The short throw projector can be matched with Panasonic's latest elite Pan-board, the UB-T880 Interactive Whiteboard, for enhanced classroom solutions. The UB-T880 has a collapsible projector mount, enabling the whiteboard to be easily moved from room to room without detaching the projector.

- Brightness: 2,800 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 500:1
- 3LCD Technology
- Weighs 6.8 lbs
- 80" diagonal image from just 2.7-feet away



REPLACEMENT LAMP ET-LAB2



Panasonic PT-TW231RU ideas for life WXGA Short Throw Projector

The new PT-TW231RU short throw LCD projector with WXGA resolution (1,280 x 800) and 2,500 lumens of brightness is ideal for classrooms or offices. It has been designed with a short focal lens that allows the device to project a 1.3 m wide image from a mere 65 cm (2.13ft) away from the display surface. This installation flexibility prevents the projector's light from shining into a presenter's face. Minimal maintenance is necessary thanks to a long lamp life and a durable multi-layered filter, both with a replacement cycle of up to 4,000 hours. Built-in interactive feature enables users to project onto surfaces and interact without a specialized board. This includes a pen and a pointer containing infrared sensors that send the signal back to the camera module on the projector so that the users can write text, graphics or lines on the projected images.

- Brightness: 2,500 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 500:1
- 3LCD Technology
- Weighs 10.4 lbs
- 3 Year Warranty



PT-TW230U Short Throw Projector WXGA / 2500 Lm
REPLACEMENT LAMP ET-LAT100





Panasonic PT-LB3U

ideas for life XGA Portable Projector

The PT-LB3 Series offers superb basic performance, such as a 5,000-hour lamp replacement cycle. Its Intelligent Power Management function allows resistance to sudden voltage fluctuations. A network function reduces management tasks with a wired LAN connection, and allows flexible system upgrading. And an easy setup function enables quick operation for portable use. This kind of versatility brings efficient visual communication to all kinds of applications.

A 5,000-hour lamp replacement cycle saves operating costs. Setup is fast and easy thanks to features like Speed Start which brings up the image quickly, and simple single-leg adjustment of the projector angle.

- The New Lamp Drive System Enables a 5,000-hour Lamp Replacement Cycle
- Easy Portability with a Compact, A4-File-Size Body
- Quiet 29 dB Design
- Low Standby Power Consumption of 0.3 W

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	3,200 ANSI Lumens
CONTRAST RATIO	600:1
DISPLAY TECH	3LCD
WEIGHT	5.07 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	ETLAB2
SPECIAL FEATURES	Whiteboard and Blackboard modes, Direct Power Off Function, Wired LAN Function, PJLink



PT-LB2VU XGA / 2,600 Lm / lamp # ETLAB2

Outstanding Performance and Excellent Mobility

Ideal for a Wide Range of Uses — From Business to Education



Panasonic PT-LB90 Series

ideas for life XGA Portable Projectors

The Panasonic LB90 Series is designed for people who want a projector with excellent basic performance and ease of use—in both portable and ceiling-mounted applications. This versatile series ensures solid performance with a dust-resistant structure, minimizing dust-related image degradation, and a low standby power consumption of 0.9 W to reduce environmental impact.

The PT-LB90NTU also features a network function that allows wireless/wired LAN configurations. Connecting the projector to a wireless LAN system further boosts the layout flexibility during presentations. Wired LAN connection enables remote operation, which is especially ideal for ceiling-mounted use. Multi Projector Monitoring and Control Software, which lets you monitor and control several Panasonic projectors from a single computer, is also available. The compact body of the LB90 Series is filled with Panasonic projector technologies to meet needs of many kinds.

- Brightness: 3,500 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 500:1
- 3LCD Technology
- Weighs 6.5 lbs
- 3 Year Warranty

PT-LB90NTU Networking Capable
PT-LB90U No Networking
REPLACEMENT LAMP ET-LAB80



Panasonic PT-LX30HU

ideas for life XGA Portable Projector

The Panasonic PT-LX30HU offers an excellent balance of light weight, brightness and contrast. Easy operation and excellent mobility make them ideal for classrooms, board rooms, and other portable uses. The PT-LX30HU portable LCD projector with XGA (1,024 x 768 pixels) resolution delivers 3,000 lumens of brightness, has a variable iris and a 2,500:1 contrast ratio.

In addition to a 4,000 hour maximum lamp and filter replacement cycle, a Real-Time Keystone correction will automatically square the image during setup while Colorboard and Blackboard preset picture modes adjust colors to provide high-quality projection in the absence of a screen. For educational institutions, the PT-LX30HU also comes equipped with a built in Closed Caption decoder that enables access to information for individuals who are deaf or have difficulty hearing.

- Brightness: 3,000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,500:1
- 3LCD Technology
- Weighs 6.59 lbs
- 3 Year Warranty

PT-LW25HU WXGA / 2500 Lm
PT-LX26HU XGA / 2600 Lm
REPLACEMENT LAMP ET-LAL100



Panasonic PT-VW330U

ideas for life WXGA Portable Projectors

The Panasonic PT-VW330U projector provides mobility, 3,000 lumens of brightness in a compact form-factor and can be moved from one room to another or installed from a ceiling. Equipped with a lamp that has a 5,000-hour replacement cycle and an original 3-layer air filter with a 6,000-hour filter replacement cycle, labor and expense typically attributed to periodic maintenance is greatly reduced. With a 1.6x zoom lens and auto keystone feature, installation, setup and operation is easy. This lightweight projector is portable and eco-friendly with a low 0.48W standby power consumption rating. The PT-VW330U projector also includes a wide array of features including a 10-watt speaker and microphone input for audio playback directly from the projector, a built-in closed caption decoder and a carrying bag with a handy shoulder strap.

- Brightness: 3,000 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 2,000:1
- 3LCD Technology
- Weighs 7.7 lbs
- 3 Year Warranty

REPLACEMENT LAMP ET-LAV100



Panasonic PT-VX400NTU

ideas for life XGA Portable Projector

The Panasonic PT-VX400NTU wireless projector provides mobility, 4,000 lumens of brightness and is equipped with a lamp that has a 5,000-hour replacement cycle and a 3-layer air filter with a 6,000-hour filter replacement cycle. With a 1.6x zoom lens and auto keystone feature, installation, setup and operation is easy.

The PT-VX400NTU projector also includes a wide array of features including a 10-watt speaker and microphone input for audio playback directly from the projector, a built-in closed caption decoder and a carrying bag with a handy shoulder strap. Dependable and portable projectors, this series is ideal for use in corporate conference rooms, training rooms, classrooms and more.

- Brightness: 4,000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- 3LCD Technology
- Weighs 7.7 lbs
- 3 Year Warranty

PT-VX400U Without Wireless
REPLACEMENT LAMP ET-LAV100





AVAILABLE MODELS
ALL MODELS FEATURE WUXGA RESOLUTION AND 6000 ANSI LUMENS

PT-DZ6710U	Geometric Adjustment / HD-SDI Signal Compatibility
PT-DZ6710UL	Geometric Adjustment / HD-SDI Signal Compatibility / Lens Not Included
PT-DZ6700U	
PT-DZ6700UL	Lens Not Included

Capturing attention with brilliant pictures and diverse image-rendering capabilities



Panasonic PT-Z6710U/L

ideas for life WUXGA Installation Projector

The PT-DZ6710U is a 1-chip DLP projector that features a high brightness of 6,000 lumens. New, unique functions also abound, such as the RGB Booster, which provides vivid color reproduction and high brightness, and the Auto Cleaning Filter, which eliminates the need for filter maintenance for a full 10,000 hours. With a built in Multi-Screen Support System and features such as Edge Blending, this all-around projector offers first-rate performance under a wide variety of conditions.

- Geometric Adjustment for projecting images onto curved screens (PT-DZ6710U/L only)
- Detail Clarity Processor, exclusive to Panasonic, realistically reproduces even fine textures
- System Daylight View 2 produces sharp, crisp images
- Auto Cleaning Filter reduces maintenance hassles for 10,000 hours
- Dual Lamp System supports 24/7 operation and prevents image interruptions even if a lamp burns out
- Liquid Cooling System allows use in temperatures as high as 113° F
- Sealed Optical Block prevents the adverse effects caused by dust for greater operating stability
- Multi-Screen Support System includes Edge Blending to seamlessly connect multiple screens

RESOLUTION	WUXGA (1920 x 1200)
BRIGHTNESS	6,000 ANSI Lumens
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	35.3 lbs
WARRANTY	3 Year Parts and Labor
LAMP PART #	ET-LAD60
SPECIAL FEATURES	HD-SDI signal compatibility, Powered Vertical/Horizontal Lens Shift Function, Optional Lenses



Panasonic PT-DX800U

ideas for life WUXGA Installation Projector

The Panasonic PT-DX800U boasts superior image quality, flexible installation, and easy maintenance, making it an ideal choice for use in classrooms, auditoriums, houses of worship, and much more. If you are looking for a compact but powerful projector, check out the Panasonic PT-DX800U that produces 8,000 lumens of brightness. The RGB Booster ensures vivid images, and the Eco Filter eliminates the need for filter replacement for up to 12,000 hours. Complete with a dual-lamp system, the PT-DX800U gives you high reliability & hassle-free maintenance.



- Brightness: 8,000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- DLP Technology
- Weighs 35.9 lbs
- 3 Year Warranty

PT-DX800UK	Black Model
PT-DX800ULK	Black Model / Lens Not Included
PT-DX800US	White Model
PT-DX800USL	White Model / Lens Not Included

REPLACEMENT LAMP ET-LAD60A



Panasonic PT-DW6300US/Ls

ideas for life WUXGA Installation Projector

The PT-DW6300US features a high brightness of 6,000 lumens. New, unique functions also abound, such as the RGB Booster, which provides vivid color reproduction and high brightness, and the Auto Cleaning Filter, which eliminates the need for filter maintenance for a full 10,000 hours. All models have built in Multi-screen Support System such as Edge Blending and the Detail Clarity Processor, exclusive to Panasonic, which realistically reproduces even fine textures. This all-around projector offers first-rate performance under a wide variety of conditions.



- Brightness: 6,000 ANSI Lumens
- Resolution: WUXGA (1280 x 800)
- Contrast Ratio: 2,000:1
- DLP Technology
- Weighs 35.3 lbs (with lens)
- 3 Year Warranty

PT-DW6300US	Lens Included
PT-DW6300USL	Lens Not Included

REPLACEMENT LAMP ET-LAD60A



Panasonic PT-DZ570 Series

ideas for life Installation Projectors

The PT-DZ570 Series projectors incorporate a wealth of original Panasonic technologies to bring high-quality images to all kinds of operating conditions and applications. They offer better reliability and require less maintenance. Plus, the PT-DZ570 Series features convenient functions to facilitate either a new installation or the replacement of an existing system. They are compact, affordable 1-chip DLP™ projectors with a long list of features and functions, including optional wireless operation.



PT-DZ570U	WUXGA / 4000 LM / 2,000:1 Contrast
PT-DW530U	WXGA / 4000 Lm / 2,000:1 Contrast
PT-DX500U	XGA / 4500 Lm / 2,000:1 Contrast

REPLACEMENT LAMP ET-LAD60A



Panasonic PT-FW430 Series

ideas for life Installation Projectors

The all new Panasonic FW430 Series projectors provide a reliable 6,000-hour lamp that is retrofit friendly and easy to replace from the rear, while using inorganic, durable LCD panels that allow for a crisp, luminous picture quality. With the addition of a dust-resistant cabinet and a new, reusable Eco Filter, the FW430 Series saves on time, money and maintenance by allowing up to 12,000 hours of operation before filter replacement is necessary. And FW430 Series projectors offer greater installation flexibility than ever before with HDMI and DVI-I terminals that allow a wider range of input capabilities and a new wireless application option that is compatible with the iPad, iPhone and iPod.



- Resolution: XGA (1024 x 768)
- Contrast Ratio: 600:1
- 3LCD Technology
- Weigh 13.2 lbs

PT-FW430U	WXGA / 3500 LM
PT-FX400U	XGA / 4000 LM

REPLACEMENT LAMP ET-LAF100A



Panasonic PT-EZ570 Series

ideas for life Installation Projectors

The PT-EZ570 Series projectors provide high brightness and superb contrast in spite of their compact body. The unique Daylight View Basic function allows them to project crisp, high-resolution images without having to dim the room light. From classrooms in elementary and high schools to university lecture rooms, engineering or art classes, and company meeting rooms, these advanced projectors produce bright, easy-to-see images for all kinds of applications. They also feature an ecological design that lowers power consumption, flexibility in installation, and easy maintenance.



PT-EZ570/L	WUXGA / 5000 LM / 5000:1 Contrast
PT-EW630/L	WXGA / 5500 LM / 5000:1 Contrast
PT-EX600/L	XGA / 6000 Lm / 5000:1 Contrast
PT-EW530/L	WXGA / 4500 Lm / 2000:1 Contrast
PT-EX500/L	XGA / 5000 LM / 2000:1 Contrast

REPLACEMENT LAMP ET-LAE200



Panasonic PT-LZ370

ideas for life Full HD Installation Projector

The PT-LZ370U is a Full HD projector with 1,920 x 1,080 pixel resolution that delivers 3,000 lumens of brightness, has Dynamic Iris Pro that helps achieve a 10,000:1 contrast ratio. In addition to a 3,000 hour maximum lamp and filter replacement cycle, Detail Clarity Processor 3 gives natural clarity to even the finest details and Daylight View Premium corrects the image quality to project sharp, clear images even in brightly lit rooms. The LAN terminal allows a computer connected to the network to use Crestron RoomView™ application software to manage and control system devices. The 2x zoom lens and horizontal/vertical lens shift let you accommodate a wide range of room sizes and shapes.



- Brightness: 3,000 ANSI Lumens
- Resolution: Full HD (1920 x 1080)
- Contrast Ratio: 10,000:1
- 3LCD Technology
- Weighs 19 lbs
- 3 Year Warranty

REPLACEMENT LAMP ET-LAA110





Panasonic PT-DZ12000U

ideas for life WUXGA Large Venue Projector

In response to the increasing trend toward large-screen image viewing, the PT-DZ12000U features native WUXGA resolution to completely cover Full HD specifications. It is further equipped with a Detail Clarity Processor based on Panasonic's imaging technology. Together with its superb brightness of 12,000 lumens, it ensures sharp, lifelike, large-screen images. This system projector also promises solid reliability, thanks to the combination of the DLP® system, which is resistant to image degradation over time, and a 4-lamp optical system.

RESOLUTION	WUXGA (1920 x 1200)
BRIGHTNESS	12,000 ANSI Lumens
CONTRAST RATIO	5,000:1
DISPLAY TECH	DLP
WEIGHT	77.1 lbs (without lens)
WARRANTY	3 Year Parts and Labor
LAMP PART #	ET-LAD12K (Four Pack: ET-LAD12KF)
SPECIAL FEATURES	System Daylight View, Mechanical lens shutter, Picture in Picture, Lens Shift, Edge Blending, Color Matching, Geometric Adjustment, Multi-screen Support, Network Function, Liquid Cooling System, Auto Cleaning Robot

ALSO AVAILABLE:

PT-D12000U SXGA+ / 12000 Lm / Lamp # ET-LAD12K

Incredible Brightness & High Picture Quality



- New AC Lamp and Multi-Lamp System
- System Daylight View
- 3D Color Management System
- Dual Link HD-SDI Signal Support (Optional)



Panasonic PT-D8700 Series

ideas for life Large Venue Projectors

The Panasonic PT-D8700 series of 3-chip DLP™ projectors combine high levels of picture quality, reliability, function and system expandability into a compact body. Packed with original, advanced Panasonic technology, these projectors produce a full 10,600 lumens of brightness, and their dual lamp system and Auto Cleaning Filter (ACF) greatly boost reliability. A new and unique multiunit brightness control function also gives these projectors the flexibility to meet a wide range of applications.



- Contrast Ratio: 10,000:1
- DLP Technology
- Weighs 52.9 lbs
- 3 Year Warranty

PT-DZ8700U WUXGA / 10,600 LM / HD/SD-SDI Input
PT-DS8500U SXGA+ / 10,600 LM / HD/SD-SDI Input
PT-DW8300U WUXGA / 9600 LM

REPLACEMENT LAMP ET-LAD310



Panasonic PT-DZ21K Series

ideas for life Large Venue Projectors

The Panasonic PT-DZ21K Series of flagship models feature breathtakingly beautiful images and reliable operation. A host of creative capabilities meet the projection needs of highly critical professionals. The compact size, light weight, and low operating noise of the PT-DZ21K Series realize brighter images and more applications. The combination of four new 465W UHM lamps and Dynamic Iris allow the projectors to deliver a 10,000:1 contrast ratio for high brightness and high picture quality. The PT-DZ21KU and PT-DS20KU projectors are 3D ready, providing greater visual impact for the viewer.



- Contrast Ratio: 10,000:1
- 3-Chip DLP Technology
- Weighs 52.9 lbs
- 3 Year Warranty

PT-DZ21KU WUXGA / 20,00 LM / HD/SD-SDI Input
PT-DS20KU SXGA+ / 120,00 LM / HD/SD-SDI Input
PT-DW17KU WUXGA / 20,00 LM / 10,000:1 Contrast

REPLACEMENT LAMP ET-LAD510 (FOUR PACK: ET-LAD510F)



Panasonic PT-EX12KU

ideas for life WUXGA Large Venue Projectors

The PT-EX12KU LCD projector, featuring 13,000 lumens of brightness XGA resolution, is ideal for houses of worship, rental and staging and end-users seeking high brightness large venue projection. The projector is equipped with a dual-lamp optical system that ensures operation and is encased in a ruggedized chassis for high reliability and durability. A Pure Color Control device which independently controls yellow brightness to improve color reproduction attains this superb brightness with optimal coloring. System expansion functions include horizontal/vertical lens shift and a Multi-Screen Support System. These and other features enable flexible installation for a wide variety of applications.



- Brightness: 13,000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 4,000:1
- 3LCD Technology
- Weight: 61.7 lbs
- 3 Year Warranty

REPLACEMENT LAMP ET-LAE12



Panasonic PT-EX16KU

ideas for life WUXGA Large Venue Projectors

The PT-EX16KU LCD projector, featuring 16,000 lumens of brightness XGA resolution, is added to the large venue lineup for houses of worship, mid sized rental and staging, and customers seeking high brightness large venue projection images for moderate use. The product is equipped with a quad lamp technology and encased in a ruggedized chassis for high reliability and durability. Pure Color Control, which independently controls yellow brightness to improve color reproduction attains this superb brightness with optimal coloring. The 4-Lamp Optical System maintains high reliability. And system expansion functions include horizontal/vertical lens shift and a Multi-Screen Support System. These and other features enable flexible installation for a wide variety of applications.



- Brightness: 16,000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,500:1
- 3LCD Technology
- Weight: 102.5 lbs
- 3 Year Warranty

REPLACEMENT LAMP ET-LAE16





Live Large with InFocus

InFocus is a digital display technology leader and visual collaboration champion.

Look to inFocus for the products, pricing and performance that will meet all your visual collaboration needs.

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Also in this Series

IN3114 (XGA)
IN3116 (WXGA)

*Comprehensive
connectivity and power
for collaboration*



InFocus IN3118HD IN3100 SERIES

Full HD Office/Classroom Projector

The InFocus IN3100 projector series provides your conference room or classroom with a powerful, vivid, and reliable display solution. The InFocus IN3100 projector series has many connectivity options for easy setup and to accommodate the applications your team needs.

WHY CHOOSE THE IN3118HD? HD is moving out of the house and into a conference room or classroom near you. 1080p resolution is THE standard for high quality media and movies. The InFocus IN3118HD 1080p projector displays today's true high definition content and its high resolution is the perfect match for today's 16:9 notebooks. It beams detailed content with 3,600 lumens of brightness at work or school.

The IN3118HD brings 1080p resolution from the home to the office and classroom. Now you can share HD content that was originally created for the home HD television in your conference room or classroom as it was intended. No scaling. No manual image adjustments. Just crisp, bright, vivid, HD content.

The IN3118HD beams 3,600 lumens of output for crisp, clear images in conference rooms or classrooms with high ambient light. So keep the lights on and the audience alert.

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	3,600 Lumens (3,000 Eco)
CONTRAST RATIO	3,000:1
DISPLAY TECH	DLP
WEIGHT	8.2 lbs
WARRANTY	5-Year Parts, 2-Year Labor
LAMP PART #	SP-LAMP-072
SPECIAL FEATURES	Closed Captioning, HDMI Compatible, DisplayLink™, BrilliantColor™



InFocus IN5316HD IN5300 SERIES

Full HD Office/Classroom Projector

The InFocus IN5300 Series are versatile projectors for professional installations – and a great value. Stunning DLP® image quality, brightness, and flexibility are all vital and the IN5300 Series has them covered and then some. A broad range of resolutions, connectivity, lens options, and a small form factor help it fit into a wide variety of venues, such as large classrooms or conference rooms and houses of worship.

WHY CHOOSE THE IN5316HD? The IN5316HD DLP projector combines high-definition 1080p resolution with the most advanced digital connectivity and crucial installation flexibility -- all at a great price. High brightness, optional lenses, lens shift, and its compact size provide the flexibility to fit most any advanced projector installation.

The IN5316HD DLP projector has the features for easy installation into a wide variety of venues.

- Three lens choices (standard, short throw, long throw)
- Lenses pull out and snap in with ease
- Lens shift for the perfect image placement
- Compact form factor fits easily into a 2x2 ceiling tile
- AMX Device Discovery will identify the IN5316HD and automatically configure itself to control it
- Lamp door is easily accessible when installed for quick lamp replacement

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	4,000 Lumens (3,200 Eco)
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	10.56 lbs
WARRANTY	5-Year Parts, 2-Year Labor
LAMP PART #	SP-LAMP-073
SPECIAL FEATURES	DisplayPort, HDMI Compatible, BrilliantColor™, 24/7 Rated, AMX Device Discovery, Closed Captioning



Also in this Series

IN5312 (XGA)
IN5314 (WXGA)
IN5318 (WUXGA)

*Brightness, flexibility
and performance for
your conference room or
medium venue*



InFocus**IN110 Series**

Lightweight Office/Classroom Projectors

Unbelievable low price.
Unbeatable value.



The InFocus IN110 Series are not only some of the lowest cost projectors we've ever sold, but also have one of the longest-lasting lamps – for incredibly low total cost of ownership. These value-packed projectors are easy to buy and built to perform with high brightness, high contrast ratio and BrilliantColor™ technology. Plus, their slim, compact design and light weight make them as easy to move around as they are to install.

Priced right! Save now and in the future

The ultra-low purchase price is just the beginning – the lamp is long-lasting and there are no filters to replace.

- Eco Mode, ideal for low-light situations, extends lamp life and uses less energy
- Average lamp life is 6,000 hours when in Eco Mode and 5,000 hours in normal mode (lamp life varies by model)

Count on quality with top-notch image technology

Even at low prices these projectors are made to last and backed by a 5-year limited warranty.

- Quality images and true-to-life colors with DLP® technology with InFocus BrilliantColor™ implementation
- 3D-ready: project 3D content to improve learning and retention of complex concepts

Easy to maintain, No filters to buy, clean, or replace

The IN110 series of projectors are easy to maintain because there are no filters to buy or replace.

- Rated for 24/7, non-stop operation
- Lamp door is on top for easy lamp replacement when the projector is installed

Small and light; Easy to share or install

Their small size and light weight make these projectors easy to move from room to room.

InFocus IN112	InFocus IN114	InFocus IN116
<ul style="list-style-type: none"> • SVGA (800 x 600) • 2,700 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-069 	<ul style="list-style-type: none"> • XGA (1024 x 768) • 2,700 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-069 	<ul style="list-style-type: none"> • WXGA (1280 x 800) • 2,700 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-069

**InFocus****IN120 Series**

Lightweight Office/Classroom Projectors

Huge brightness for an
unbelievable low price



Do you need high brightness but have only minimal money to spend? The InFocus IN120 Series has you covered. These are the lowest-cost projectors InFocus offers at this high brightness. These value-packed projectors are easy to buy and built to perform. In addition to high brightness, they have an HDMI input, a high contrast ratio, BrilliantColor™ technology, and a slim, lightweight design that makes them easy to move or install.

Low Total Cost of Ownership

The IN120 Series has not only a ultra-low purchase price, but also a long-lasting lamp that lowers total cost of ownership even further. There aren't even any filters to replace. It's an unbeatable value.

Resolution Options

Choose from native resolution of SVGA for the best price, XGA for better image detail and clarity, or widescreen WXGA resolution for projecting high-definition video and wide laptop screens without scaling.

Compact, Slim and Light

The IN120 Series is small and lightweight for easy portability from one room or building to the next. Its slim design is only 2.7 in (70 mm) tall and weighs only 4.8 lbs (2.17 kg).

High Brightness and High Contrast

The image quality of these projectors will not disappoint. 3,200 lumens will give you bright, clear images with the lights on and the high 4,000:1 contrast ratio adds sharpness with darker blacks and whiter whites. Preset modes give you the best image quality on a beige wall, whiteboard, blackboard or other surface.

Providing the highest quality products and support is very important to InFocus.

The IN120 Series comes standard with a 5-year limited factory warranty, 6-month limited lamp replacement warranty, and 5-year DLP® warranty. Extended product and lamp warranty programs are also available.

InFocus IN122	InFocus IN124	InFocus IN126
<ul style="list-style-type: none"> • SVGA (800 x 600) • 3,200 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-070 	<ul style="list-style-type: none"> • XGA (1024 x 768) • 3,200 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-070 	<ul style="list-style-type: none"> • WXGA (1280 x 800) • 3,200 lumens • 4,000:1 Contrast • 4.8 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-070

**InFocus****IN1100 Series**

Ultra-lightweight Portable Projectors

So small, light and bright, it's the
perfect mobile projector



The InFocus IN1124 and IN1126 portable projectors have the small size, light weight, high brightness and ease of use that mobile professionals need to communicate effectively at a moment's notice, wherever they may be. At 3,000 lumens, these are our brightest mobile projectors yet. So you'll stride confidently into that important meeting knowing your projections will be clear and stunning in any light. Plus, its HDMI input will provide fast connectivity and stunning detail from your digital devices.

Why Choose the IN1100 Series?

- Compact and light weight (only 3.4 lbs) for easy travel
- 3,000 lumens of brightness to overcome any lighting situation
- HDMI input to connect with iPads, iPhones, Android and PCs too
- Durable design that's built for the road
- Widescreen model to match today's laptop screens
- 5-year limited warranty adds peace of mind

Connect Fast

In a hurry? Connect via HDMI to present full HD quality video and audio too) in just seconds. VGA, S-Video and Composite Video ports are also included for when the need arises. You can even connect it to an external audio system with the audio out port – another new addition to this product family.

Built for the Road

The IN1124/IN1126 projector has a recessed lens and tethered lens cap to keep it safe from impact. Plus, its smooth exterior leaves nothing to snag or break off when taking it in and out of its case. The IN1100 Series' durability is backed by our exclusive 5-year limited warranty, so you know it's tough and ready to perform on the road.

InFocus IN1124	InFocus IN1126
<ul style="list-style-type: none"> • XGA (1024 x 768) • 3,000 lumens • 2,500:1 Contrast • 3.4 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-076 	<ul style="list-style-type: none"> • WXGA (1280 x 800) • 3,000 lumens • 2,500:1 Contrast • 3.4 lbs • 5-Year Parts, 2-Year Labor • Lamp # SP-LAMP-076



INTRODUCING


JVC
PROFESSIONAL

DLA-F110E

Full HD Home Theater Projector

The DLA-F110 professional 3D projector from JVC offers impressive remarkable image reproduction, delivering remarkably bright and high resolution images thanks to JVC's exclusive D-ILA technology. It's ideal for a variety of applications in education, government, medical and business--anywhere that superior high quality images are required.

The projector is equipped with a 0.7-inch full HD D-ILA device (1920 x 1080 dot) that is originally developed by JVC. Combined with the high aperture ratio of the D-ILA method, this full HD resolution device ensures smooth video reproduction without the "screen-door" effect, even for large screen sizes. This means that text and numerals in subtitles or on the screen are reproduced clearly without any bleed. What's more, the D-ILA device is also known for its long operating life and consistent performance.

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	1,700 lumens
CONTRAST RATIO	30,000:1
DISPLAY TECH	D-ILA
WEIGHT	33.3 lbs
WARRANTY	2 Year Parts and Labor
LAMP PART #	PKL2210UP
SPECIAL FEATURES	3D Ready, Keystone Function, Powered Lens Shift, LAN/RS-232/IR Control Protocol, 7- Axis Color Management System

Answers any installation requirement



- Brightness: 1,700 Lumen, Resolution: Full HD (1920 x 1080)
- 30,000:1 Native Contrast Ratio for deep blacks and critical viewing
- 3D enabled (glasses and IR emitter optional)
- Digital Smear Reduction via Black-frame Insertion
- 3000 hour, 220W Ultra High Pressure Lamp for Low Operating Cost
- Install at any angle for rear screen or mirror installations

ReferenceSeries

JVC Reference Series projectors are designed for custom integration and are carried by an exclusive network of custom audio/video installers who can design and build a home theater tailored to each customer's unique needs.

JVC
PROFESSIONAL

DLA-RS65

4K Home Theater Projector *ReferenceSeries*

The DLA-RS65 is JVC's most advanced D-ILA home theater projector, capable of displaying theater-quality 3D as well as 2D material upconverted to a stunning 4K resolution. It features JVC's new e-Shift technology capable of projecting images with 3840 x 2160 pixel resolution, four times that of full HD. Built from hand selected perfectly matched components and given a specialized final calibration, the DLA-RS65 achieves a native contrast ratio of more than 120,000:1. It's the finest home theater projector JVC has ever offered.

The DLA-RS65 combines hand selected components, 4K precision, high native contrast, accurate gray scale tracking and deeply saturated but natural colors to create a stunning home theater experience. Images are smooth and pixel free, thanks to JVC's advanced e-Shift technology, images have incredible detail and improved local area contrast. This projector is sure to impress even the most critical viewers.

- 4K e-Shift (3840 x 2160 Precision) Three Chip 3D enabled D-ILA projector
- Superior native contrast ratio 120,000:1
- THX and ISF Certified
- Minimized crosstalk for brighter, more realistic 3D picture
- Built in 2D to 3D converter creates dynamic 3D images from 2D video content
- 101 Screen Adjustment Modes for color optimization on various screen types
- Control: LAN / RS-232C / IR / 12 V Screen Trigger Output
- Three Lens Memories to enable constant height installations without an external lens

RESOLUTION	4K (3840 x 2160)
BRIGHTNESS	1,200 Lumens
CONTRAST RATIO	120,000:1
DISPLAY TECH	D-ILA
WEIGHT	33.95 lbs
WARRANTY	3-Year (DLA-RS65), 2-Year (DLA-RS45U & DLA-RS55U)
LAMP PART #	PKL2210UP
SPECIAL FEATURES	3D Enabled, e-Shift Projection, 2 Pair 3D glasses and 3D IR emitter included, THX and ISF Certified, Motorized lens cover



4K Precision & 120,000:1 Contrast Ratio Ensure Natural & Realistic Images



Also Available in the JVC Reference Series



DLA-RS55U
 4K Resolution (3840 x 2160)
 1,200 ANSI Lumens
 80,000:1 Contrast Ratio
 2 Year Warranty
 Lamp Part # PKL2210UP



DLA-RS45U
 Full HD (1920 x 1080)
 1,200 ANSI Lumens
 50,000:1 Contrast Ratio
 2 Year Warranty
 Lamp Part # PKL2210UP



ALSO AVAILABLE: NP-V260 (SVGA)

NEC NP-V260X

XGA Portable Projector

The NEC V260X is designed to provide higher brightness for meeting and conference rooms that have heavy ambient light but require a small projector. These lightweight mobile models are 3D Ready and include a 7W speaker, closed captioning and NEC's Virtual Remote control software. Their VIDI technology, a Philips innovation designed to work in conjunction with the color wheel, uses a brilliant pulse to increase the brightness of the image and a dark pulse to increase the contrast ratio. Enhanced connectivity, including HDMI, dual computer inputs and RJ-45, are clearly color-coded and labeled on the panel.

- Automatic Power ON via RGB (15-pin) input
- BrilliantColor™, including a 6-segment color wheel, provides accurate color reproduction
- Quick startup/cooling/shutdown minimizes projector setup and teardown between meetings
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- HDMI input connects you to high-definition sources
- Dual computer inputs ensure quick switching between presentations
- Crestron RoomView™ provides unified management, including the ability to switch the power on and off for multiple projectors connected to a network

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	2,600 ANSI Lumens
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	5.5 lbs
WARRANTY	2 Year Parts and Labor
LAMP WARRANTY	1 year or 500 hours (whichever comes first)
LAMP PART #	NP13LP
SPECIAL FEATURES	Built-In Speaker, Variable Audio Out, 3D Ready, BrilliantColor™, Crestron RoomView™ Compatible, ECO Mode technology, Closed Captioning, Kensington Lock Slot, Filter-Free Design



Affordable with essential features,

V Series mobile projectors are designed to provide brilliant display of information in meeting and conference rooms.



NEC NP-U310W

WXGA Ultra Short Throw Projector

Present with maximum impact and minimum distractions with the NEC U310W, an ultra-short throw projector that delivers an extremely short throw distance solution for education (including interactive whiteboards) and corporate applications. With its ability to be mounted to the wall above the screen, this model completely eliminates shadows and glare typically found with standard projection systems. Additional features for the 3D Ready U310W include DLP® and DLP Link technologies from Texas Instruments and wide connectivity (HDMI and dual computer inputs).



- Brightness: 3,100 ANSI Lumens, WXGA (1280 x 800)
- 2,000:1 Contrast
- Weighs only 14.3 lbs
- Ultra short throw lens (0.30:1 throw ratio) eliminates shadows on the screen along with projected light in the presenter's eyes created by traditional projection systems
- Comprehensive input/output panel, including HDMI
- 3D capability increases interactivity and expands applications in educational settings
- Extended lamp life with ECO Mode tech increases lamp life of up to 3000 hours, lowering power consumption
- Virtual Remote allows a teacher/professor to control the projector from the computer desktop without using the physical remote control
- Remote monitoring and control of projector over network saves IT employee time and reduces costs related to projector operation

NP-U300X XGA / 3,000 Lm

REPLACEMENT LAMP NP20LP



NEC NP-M300WS

WXGA Short Throw Projector

Seamlessly present to your audience using the NEC M300WS, a widescreen, value-driven and eco-friendly portable projector. This model delivers an ideal short throw distance solution for education (including interactive whiteboards) and corporate applications, and offers 3000 lumens to deliver remarkably bright images. With advanced connectivity, including HDMI and USB inputs, and wired and wireless (optional) networking options, the M300WS benefits users requiring maintenance-free design and environmentally conscious features.



- Brightness: 3,000 ANSI Lumens, WXGA (1280 x 800)
- 2,000:1 Contrast
- Weighs only 8.8 lbs
- Short throw lens eliminates shadows on the screen along with projected light in the presenter's eyes created by traditional front projection systems
- Variable audio-out allows the remote control to adjust the volume of self-powered external speakers connected to the projector
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- Integrated RJ-45 and/or wireless LAN (optional) quickly connects to the LAN for control or image transmission
- Dual computer inputs ensure quick switching between presentations
- Virtually maintenance-free design includes improved 3500-hour filter life (time of lamp change)

NP-M300XS XGA / 3,000 Lm

REPLACEMENT LAMP NP17LP



NEC NP-M300W

WXGA Portable Projector

Go wide with your presentations with the NEC M300W, a value-driven, eco-friendly portable projector ideal for education and small-to-medium-sized business environments. This 3000-lumen, widescreen model features enhanced technologies such as DICOM simulation, which allows medical school teachers to display accurate diagnostic images during lessons, and variable audio-out input for connecting to an external speaker or sound system and controlling both through the projector's remote. It was designed with the environment in mind with a carbon savings meter, extended lamp and filter life, and energy-saving features such as quick startup and direct power off. Whether in the classroom or boardroom, the M300W's multitude of advanced technologies allows you to start up in seconds, connect with your audience and shut down with ease.



tures such as quick startup and direct power off. Whether in the classroom or boardroom, the M300W's multitude of advanced technologies allows you to start up in seconds, connect with your audience and shut down with ease.

- Brightness: 3,000 ANSI Lumens, WXGA (1280 x 800)
- 2,000:1 Contrast
- Weighs only 6.6 lbs
- USB Viewer allows you to present without a PC
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- Integrated active lens cover mutes audio and video while lowering the lamp power to 25% to conserve energy
- Integrated RJ-45 and/or wireless LAN (optional) quickly connects to the LAN for control or image transmission
- Dual computer inputs for switching between presentations
- 6000-hour filter life

NP-M300X XGA / 3,000 Lm

NP-M260X XGA / 2,600 Lm

REPLACEMENT LAMP NP16LP



NEC NP-L50W

WXGA Portable Projector

The 500-lumen NEC L50W is a lightweight mobile projector designed to provide environmentally-conscious, on-the-go users with multimedia functionality. The solid state LED light source provides a mercury-free design, and the intuitive remote control allows for one-touch source changes and complete menu control for projector settings. The L50W has a filter-free design and offers a 1GB internal memory with SD input to expand storage up to 32GB, which lets you leave the laptop at home and easily present from a flash drive. The Office Viewer



feature enables users to store common Microsoft Office file formats on the L50W, including Microsoft Word, Excel, PowerPoint, as well as Adobe PDF documents. Built-in technologies include closed captioning and wall color correction.

- Brightness: 500 ANSI Lumens, WXGA (1280 x 800)
- 2,000:1 Contrast
- Weighs only 2.6 lbs
- Solid state LED light source improves total cost of ownership
- Compact size and lightweight design simplify transport
- Filter-free design eliminates the hassle and time spent monitoring and changing filters
- 1GB internal memory and SD input to expand storage up to 32GB
- HDMI input connects you to high-definition sources
- Built-in closed captioning enables decoding and display of text information from a video

REPLACEMENT LAMP LAMPLESS PROJECTOR



NEC NP-PA600X XGA Installation Projector

View your image with powerful brightness and monitor it with integrated networking capabilities.



NEC's 6000-lumen PA600X is an advanced professional installation projector that appeals corporate and higher education users. With integrated RJ-45, optional high-speed wireless (LAN IEEE 80.11b/g/n) and a multitude of simple-to-use asset management technologies, this model helps users present seamlessly without worrying about their technology. The industry's first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 24,000 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also prevents the complete loss of an image, which can happen when using only one projector.

- Brightness: 6,000 ANSI Lumens, XGA (1024 x 768) Resolution
- 2,000:1 Contrast Ratio
- Weighs only 17 lbs
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- 6000-lumen brightness enhances images for most applications
- HQV™ technology delivers superior home theater video processing
- Windows Network Projector function simplifies your ability to present from any computer, whether local or remote
- Geometric Correction Tool allows you to easily project square images on non-flat screen surfaces without distortion
- AutoSense™ automatically syncs with any computer signal and features one-touch image optimization
- Complete line of (5) bayonet-style lenses allows for quick and easy lens exchange (Lens does not ship with product)
- Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 24,000 lumens

NP-PA550W WXGA / 5,500 Lm
NP-PA500X XGA / 5,000 Lm

REPLACEMENT LAMP NP21LP
PRODUCT DOES NOT SHIP WITH A LENS



NEC NP-PA500U WUXGA Installation Projector

Present with carefree ease using NEC's 5000-lumen PA500U.



This reliable model is designed for advanced professional installations and appeals corporate and higher education users. With integrated RJ-45, optional high-speed wireless (LAN IEEE 80.11b/g/n) and a multitude of simple-to-use asset management technologies, the PA500U helps users present seamlessly without worrying about their technology. The industry's first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 20,000 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also prevents the complete loss of an image, which can happen when using only one projector.

- Brightness: 5,000 ANSI Lumens, WUXGA (1920 x 1200) Resolution
- 2,000:1 Contrast Ratio
- Weighs only 17.2 lbs
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- 5000-lumen brightness enhances images for most applications
- HQV™ technology delivers superior home theater video processing
- Windows Network Projector function simplifies your ability to present from any computer, whether local or remote
- Geometric Correction Tool allows you to easily project square images on non-flat screen surfaces without distortion
- AutoSense™ automatically syncs with any computer signal and features one-touch image optimization
- Complete line of (5) bayonet-style lenses allows for quick and easy lens exchange (Lens does not ship with product)
- Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 20,000 lumens

REPLACEMENT LAMP NP21LP
PRODUCT DOES NOT SHIP WITH A LENS



NEC NP-P350W WXGA Installation Projector

Easy to use and at the right price, P Series projectors provide all the essential features that you need to connect with your audience.



Give your presentations a boost in brightness with the NEC P350W, a wide-screen entry-grade professional installation projector loaded with eco-friendly and advanced technologies. Ideal for corporate boardrooms, higher education classrooms and government training rooms, this model delivers remarkable brightness (3500 lumens) and features built-in wall color correction, wired and wireless networking, closed captioning and up to 3500 hours of lamp life (in ECO Mode™). The P350W touts an active lens cover, which hides content, mutes audio and lowers lamp brightness to 25%, allowing you to maximize the effectiveness of your presentations.

- Brightness: 3,500 ANSI Lumens, WXGA (1280 x 800) Resolution
- 2,000:1 Contrast Ratio
- Weighs only 8.6 lbs
- HDMI input connects you to high-definition sources
- Variable audio-out allows the remote control to adjust the volume of self-powered external speakers connected to the projector
- Vertical lens shift enables flexible projector placement
- Windows Network Projector, Remote Desktop and File Viewer
- ECO Mode™ technology helps extend lamp life and lowers power consumption
- Integrated RJ-45 and/or wireless LAN quickly connects to the LAN for control or image transmission
- Virtually maintenance-free design includes improved 3500-hour filter life (time of lamp change)

NP-P350X XGA / 3,500 Lm
NP-P420X XGA / 4,200 Lm

REPLACEMENT LAMP NP17LP



NEC NP-PH1000U WUXGA Installation Projector

Powerful installation projector that delivers quality, larger-than-life images under virtually any operating condition to take on the most demanding integration projects.



The 11,000-lumen NEC PH1000U professional installation projector offers a unique 3-chip DLP system that creates quality, larger-than-life images. Perfect for large venues or high ambient lighting conditions, it supports multiple input cards and includes Open Pluggable Specification (OPS), the first industry-wide standardization in option slots to simplify installation, use and maintenance while offering input flexibility.

Its Integrated Device Technology HQV™ is a high-performance video processing/scaling system designed for computer signals, standard or high-definition video. The PH1000U is ideal for higher education, house of worship, corporate and retail environments.

- Brightness: 11,000 ANSI Lumens, WUXGA (1920 x 1200) Resolution
- 2,000:1 Contrast Ratio
- Weighs only 87.1 lbs
- 3-chip DLP with dual UHP lamps
- HD/SD SDI input card using OPS technology
- Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 44,000 lumens
- Complete line of (5) bayonet-style lenses with built-in lens memory, powered zoom, focus and lens shift
- HQV™ technology delivers superior home theater video processing
- HDMI input connects you to high-definition sources
- Integrated RJ-45 and/or wireless LAN quickly connects to the LAN for control or image transmission using Windows Network Projector and/or Remote Desktop

REPLACEMENT LAMP NP22LP
PRODUCT DOES NOT SHIP WITH A LENS



NEC NP-PX800X XGA Installation Projector

Powerful installation projector equipped to take on the most demanding integration projects.



The 8000-lumen NEC PX800X is a professional installation projector with dual lamps that provide intense light output. The projector's advanced input panel includes HDMI, DisplayPort, USB viewer and dual computer inputs for quick-switching between presentations. The PX Series features the Open Pluggable Specification technology, which is the first industry-wide standardization in option slots to simplify installation, use and maintenance, while offering input flexibility. Its networking capabilities include integrated RJ-45, optional high-speed wireless and several Windows networking features. The PX Series features integrated HQV™ technology, a high-performance video processing/scaling system designed for computer signals, standard or high-definition video. Its edge blending functionality enables seamless blending of multiple projected images to display a single high-resolution image, while the lens shift capability provides greater installation flexibility with 50% vertical lens shift and +/- 10% horizontal lens shift.

- Brightness: 8,000 ANSI Lumens, XGA (1024 x 768) Resolution
- 2,100:1 Contrast Ratio
- Weighs only 43.4 lbs
- HD/SD SDI input card using OPS technology
- Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 32,000 lumens
- Complete line of (6) bayonet-style lenses w/ built-in lens memory, electronic zoom, focus & lens shift
- HQV™ technology delivers superior home theater video processing
- HDMI input connects you to high-definition sources
- Crestron RoomView Connected™
- Integrated RJ-45 and/or wireless LAN connects to the LAN for control or image transmission using Windows Network Projector and/or Remote Desktop

NP-PX700W WXGA / 7,000 Lm

REPLACEMENT LAMP NP22LP
PRODUCT DOES NOT SHIP WITH A LENS



NEC NP-PX750U WUXGA Installation Projector

High brightness, contrast and clarity for extra-widescreen presentations



The 7500-lumen NEC PX750U professional installation projector is designed to allow flexibility with highly efficient networking capabilities. Its integrated HQV™ technology is a high-performance video processing/scaling system designed for computer signals, standard or high-definition video. The PX750U's advanced input panel includes HDMI, DisplayPort and three computer inputs for quick-switching between presentations, while its networking capabilities include integrated RJ-45, optional high-speed wireless and several Windows networking features.

The PX750U is the first NEC projector to offer the Open Pluggable Specification (OPS) technology, which is the first industry-wide standardization in option slots to simplify installation, use and maintenance, while offering input flexibility. The edge blending functionality enables seamless blending of multiple projected images to display a single high-resolution image. Automated features include Auto Power On, quick start and direct power off for ease in presenting.

- Brightness: 7,500 ANSI Lumens, WUXGA (1920 x 1200) Resolution
- 2,100:1 Contrast Ratio
- Weighs only 43.4 lbs
- HD/SD SDI input card using OPS technology
- Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 30,000 lumens
- Complete line of (6) bayonet-style lenses with built-in lens memory, electronic zoom, focus and lens shift
- HQV™ technology delivers superior home theater video processing
- HDMI input connects you to high-definition sources
- Crestron RoomView Connected™
- Integrated RJ-45 and/or wireless LAN quickly connects to the LAN for control or image transmission using Windows Network Projector and/or Remote Desktop

REPLACEMENT LAMP NP22LP
PRODUCT DOES NOT SHIP WITH A LENS



**Optoma's interactive products
transform how teachers teach
and how students learn.**



**I WANT MY STUDENTS TO
RETAIN MORE, INTERACT
WITH EACH OTHER WHILE
LEARNING AND BE
EXCITED ABOUT COMING
INTO THE CLASSROOM
EACH DAY**

TX665UTiM-3D MAP \$1599
TW675UTiM-3D MAP \$1699

Ultra Short Throw 3D Interactive Projectors

Our line of ultra short throw 3D interactive projectors offers schools a comprehensive way to engage and immerse students in learning. Built-in features let schools integrate interactive technology without the high cost of whiteboards. XGA and WXGA models available.

Products Include:

Qwizdom WizTeach software
PointBlank interactive pen

**ALSO INCLUDES A FREE
WALL MOUNT.**

Q300 MirrorBoard MAP \$499

Make any Display Interactive

The Optoma Q300 MirrorBoard gives you the freedom to INTERACT in your classroom with the power of your computer at your fingertips. Wirelessly connected to a PC, the 10-inch viewable display allows users to control presentations from anywhere in the room. Reach your students by teaching near them!

**OPTOMA BRINGS INTERACTIVITY
INTO THE CLASSROOM EVERY DAY**

www.OptomaUSA.com

For more information please call **888-967-8662**
or e-mail **info@optoma.com**





DOES NOT SHIP WITH A LENS, WE RECOMMEND:
BX-DL200 (STANDARD THROW LENS)
BX-DL080 (SHORT THROW LENS)
BX-DL300 (LONG THROW LENS)

Many Different Demands, One Projection Solution



Optoma TX785 XGA Installation Projector

The Optoma TX785 provides power and flexibility to meet the demanding requirements of large-venue installations. 5,000 ANSI lumens and the latest in image and color enhancement technologies ensure outstanding performance. Standard, long and short throw lens options, optimized with ED-glass lens elements, create exemplary picture quality at a wide range of projection distances.

Extensive vertical and horizontal lens shift increases the possible installation options even further. With its wide array of inputs and management options, the TX785 is the ideal solution for your large-venue projection needs.

- With 5,000 ANSI lumens of brightness, project bright, clear images that can be viewed easily by audiences seated in large venues such as auditoriums and lecture halls
- Flexible projector placement – Extensive vertical and horizontal lens shift
- Three lens choices with easy-to-change bayonet mounts create a wide range of projector distance and image size options
- Remote monitoring and control capabilities over a LAN network via integrated RJ-45 – connection compatible with Crestron RoomView™
- Complete security features limit changes to projector settings and lock out unauthorized users

RESOLUTION	XGA (1024 x 768)
BRIGHTNESS	5,000 ANSI Lumens
CONTRAST RATIO	2,000:1
DISPLAY TECH	DLP
WEIGHT	18.1 lbs
WARRANTY	3-Year Optoma Express Replacement Service
LAMP PART #	BL-FP330B
SPECIAL FEATURES	Crestron RoomView® Compatible, HDMI Compatible



Optoma TW775 WXGA Installation Projector

Take Installation Flexibility to the Max

Optoma's powerful TW775 projector combines the latest image processing technologies and features. Native WXGA resolution and bright 4,500 ANSI lumens bring full compatibility with today's widescreen PCs and laptops, so your audience can view images easily even from the back of the room. The TW775 combines full lens shift with three interchangeable lenses to meet the most demanding requirements of large-venue installations. Each lens option is optimized with PureOptics glass elements for superb picture quality at a wide range of projection distances. The TW775 is your best-in-class performer for large-venue projection needs.



- With 4,500 ANSI lumens of brightness, project bright, clear images that can be viewed easily by audiences seated in large venues such as auditoriums and lecture halls
- WXGA (1280 x 800) resolution is an ideal match for widescreen PCs and laptops
- Weighs only 18.1 lbs
- Flexible projector placement – Extensive vertical and horizontal lens shift
- Three lens choices with easy-to-change bayonet mounts create a wide range of projection distances and image sizes
- Remote monitoring and control capabilities over a LAN network via integrated RJ-45 connection – compatible with Crestron RoomView™
- Complete security features protect settings and lock out unauthorized users
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

DOES NOT SHIP WITH A LENS, WE RECOMMEND: BX-DL200 (STANDARD THROW LENS), BX-DL080 (SHORT THROW LENS), BX-DL300 (LONG THROW LENS)

REPLACEMENT LAMP BL-FP330B



Optoma TX765W XGA Portable Wireless Projector

Unparalleled Meeting of Flexibility and Power

Perfect for challenging installations, the Optoma TX765W mixes performance and integration features to create an outstanding choice for conference rooms, auditoriums and classrooms.



With 4,000 ANSI lumens and Optoma's exclusive PureShift technology, the TX765W provides bright, sharp images in any installation. Cable-free projection with standard wireless connectivity saves time and greatly simplifies usage and setup.

- Easy-to-view images even from the back of the room - high brightness at 4,000 ANSI lumens and contrast at 2,500:1
- XGA (1024 x 768) Resolution
- 2,500:1 Contrast Ratio
- Weighs only 12 lbs
- Flexible projector placement - PureShift allows for vertical and horizontal lens shift and a 1.6x zoom provides for a wide range of installations
- Internal wireless connectivity provides a link for both data and video from up to four computers simultaneously
- Remote monitoring and control capabilities over a LAN network via integrated RJ-45 connection
- Complete security features protect projector settings and lock out unauthorized users through both wired and wireless network connections
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

REPLACEMENT LAMP BL-FU280B



Optoma TW766W WXGA Portable Wireless Projector

A Complete Package of Widescreen Versatility and Performance

Perfect for challenging installations, the Optoma TW766W mixes performance and integration features to create an outstanding choice for conference rooms, auditoriums and classrooms.



With 4,000 ANSI lumens and Optoma's exclusive PureShift technology, the TW766W provides bright, sharp images in any installation. Cable-free projection with standard wireless connectivity saves time and greatly simplifies usage and setup.

- Easy-to-view images even from the back of the room - high brightness at 4,000 ANSI lumens and contrast at 2500:1
- Native WXGA (1280 x 800) resolution is an ideal match for widescreen PCs and laptops
- Weighs only 12 lbs
- Flexible projector placement - PureShift allows for vertical and horizontal lens shift and a 1.6x zoom provides for a wide range of installations
- Internal wireless connectivity provides a link for both data and video from up to four computers simultaneously
- Remote monitoring and control capabilities over a LAN network via integrated RJ-45 connection
- Complete security features protect projector settings and lock out unauthorized users through both wired and wireless network connections
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

REPLACEMENT BL-FU280B





Optoma
Projector Expert

TH1060P

Full HD Large Venue Projector

The Optoma TH1060P, a native 1080p high-definition DLP projector, delivers clear widescreen images that ensure your audience experiences the full impact of your message. Meanwhile, the projector's brightness makes it the choice of home theater users. The TH1060P adds a variety of features aimed at easing and streamlining presentations for the user. The included IR remote integrates a USB mouse function and laser pointer to help presenters add emphasis and impact. Two HDMI connectors support ready connection to the widest possible array of input devices, including computers, Blu-ray players and more.

Bright enough for use in large conference rooms and classrooms, the Optoma TH1060P includes a wide range of analog and digital connectivity options for your high-resolution sources. With user-friendly interface of the Crestron RoomView® remote management software, you can easily monitor, manage and control the Optoma TH1060P remotely via RJ-45 connector.

- Delivers riveting widescreen presentations—HD Native (1920 x 1080) DLP® with BrilliantColor™ Technology
- Bright enough for big rooms—4,500 ANSI lumens and 2,500:1 contrast ratio (full on/full off)
- Designed with presenters in mind—Presentation-friendly IR remote with USB mouse function and laser pointer
- Integrates easily with the network—Crestron RoomView® for projector management and control via RJ-45 connection.
- Built for environmental friendliness—Consumes <1 watt of power in standby mode

RESOLUTION	Full HD (1920 x 1080)
BRIGHTNESS	4,500 ANSI Lumens
CONTRAST RATIO	2,500:1
DISPLAY TECH	DLP
WEIGHT	7.8 lbs
WARRANTY	3-Year Optoma Express Replacement Service
LAMP PART #	BL-FS300C
SPECIAL FEATURES	BrilliantColor™ Technology, Crestron RoomView® Compatible



*Fully Loaded
High-Definition
Presentation
Power*



Optoma TX762

Projector Expert
XGA Portable Projector

Bright,
Feature-Rich
and Portable



Robustly featured and powerfully portable, the Optoma TX762 is designed for maximum versatility and low-cost operation. With 4,000 ANSI lumens and an 8W speaker, the TX762 delivers exceptional brightness and rich audio wherever the presentation – in large conference rooms, meeting rooms, training facilities or classrooms.

With extensive connectivity options, including RJ-45 for remote management and control, the TX762 is ready for the most demanding applications.

- Easy-to-read text – bright at 4,000 ANSI lumens; high contrast ratio of 3,000:1
- XGA (1024 x 768) Resolution
- Weighs only 6.4 lbs
- Standby VGA and audio pass-thru feature reduces power consumption
- Built-in 8W speaker
- Remote control and management via RS-232 or RJ-45
- Broad range of audio and video connectivity
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

TW762WXGA / 4,000 ANSI Lumens

REPLACEMENT LAMPBL-FP280D



Optoma TX779P-3D

Projector Expert
XGA 3D-Ready Projector

Superior Visual
Performance
for Demanding
Applications



The Optoma TX779P-3D DLP projector, exceptionally bright at 5000 lumens and 3D capable, provides outstanding video and data display in large rooms and in rooms with high ambient light.

Remotely monitor, manage and control the Optoma TX779P-3D over the network via the integrated RJ-45 Crestron RoomView® user-friendly interface. The environmentally-friendly TX779P-3D incorporates energy-saving features including <1 watt standby mode, saving you money.

- Bright at 5000 ANSI lumens with high contrast ratio of 3000:1 (Full On/Off)
- XGA (1024 x 768) Resolution
- Weighs only 7.8 lbs
- Crestron RoomView® for projector management and control via RJ-45 connection
- Presentation-friendly IR remote with USB mouse function and laser pointer
- Environmentally-friendly design – Consumes <1 Watt in standby mode
- Built-in closed captioning
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

REPLACEMENT LAMPBL-FS300C



Optoma TW635-3D

Projector Expert
WXGA Portable Projector

Put Your Best
Presentation
Forward



Optoma's TX/TW635-3D projectors bring together the features and functionality users need to create compelling and forceful presentations. These projectors, which are 3D-PC ready, deliver an impressive 3500 ANSI lumens brightness and 10,000:1 contrast ratio.

Broad input/output options, which include HDMI, VGA, USB and more, deliver ultimate flexibility for users, while RJ-45 and RS-232 ports support control and management of the projector from a remote location.

- Brightness: 3,500 ANSI Lumens
- WXGA (1280 x 800) Resolution
- 10,000:1 Contrast Ratio
- Weighs only 4.9 lbs
- Connect readily with a broad range of output sources, including Blu-ray players, PCs, tablets, set top boxes, game consoles, camcorders and more
- Deliver crisp, clear presentations with high brightness and contrast ratio
- Streamline IT administration with network command and control features
- Enjoy and share 3D content from a 3D PC
- 3 Years Optoma Express Replacement Service, 1 Year on Lamp

TW635-3DXGA / 3,500 ANSI Lumens

REPLACEMENT LAMPBL-FP240B



BenQ MW860USTI

WXGA Interactive Projector

The MW860USTI gives you the ultimate interactivity with the all new 2nd generation PointDraw™ technology! Interact simultaneously with dual pen support and QDraw 2.0 on the WXGA resolution screen. This ultra short-throw projector also enables 3D projection to maximize the learning experience.



- Native WXGA (1280 x 800) Resolution
- 3000 ANSI Lumens, 2600:1 Contrast Ratio
- 0.37 Short Throw Ratio, Support PointDraw™ Dual Pen
- USB Display & Reader, LAN Control & Display
- DLP 3D Ready, 20W Speaker, Wireless Display (Optional)

REPLACEMENT LAMP 5J.J2V05.001



BenQ MW851UST

WXGA Ultra Short Throw Projector

Featuring a 0.36 ultra short-throw ratio, 13,000:1 ultra-high contrast ratio and WXGA native resolution, the MW851UST only needs 0.74 meters to bring a 95" well-defined wide-screen picture to life in small-sized classrooms. Plus, 2500 ANSI lumens further ensure clear viewing under low ambient light.



- Native WXGA (1280 x 800) Resolution
- 2500 ANSI Lumens, 13000:1 Contrast Ratio
- 0.36 Short Throw Ratio, 20W Speaker
- HDMI x1; LAN Control; Smart Eco Mode
- DLP 3D Ready; Long lamp Life, Instant Restart

MX850UST XGA / 45 Throw Ratio
REPLACEMENT LAMP 5J.J4V05.001



BenQ LW61ST

WXGA Short Throw Projector

The LW61ST features the BlueCore light engine technology to bring you optimized visual display and energy efficiency. Utilizing SmartEco™ Advanced Technology, you're able to reduce light source power consumption by up to 90%. It's an economic and environmentally friendly choice for your school.



- Native WXGA (1280 x 800) Resolution
- 2000 ANSI Lumens, 8000:1 Contrast Ratio
- Smart Eco Mode, Laser Light Source
- HDMI x1, 10W x2 Speaker, LAN Control/Display
- USB Display/Reader, Wireless Display(Optional)

LX60ST XGA / 2000 Lm
REPLACEMENT LAMP LAMPLESS PROJECTOR



BenQ MX816ST

XGA Short Throw Projector

Designed for disruption-free learning in small-sized classrooms, the MX816ST offers a 78" XGA picture in only 1 meter with a 0.61 ultra short-throw ratio. With 3000 ANSI lumen brightness, this projector has the most dynamic image quality to offer!



- Native XGA (1024 x 768) Resolution
- 3000 ANSI Lumens, 13000:1 Contrast Ratio
- 0.61 Short Throw Ratio; 10W Speaker
- HDMI; LAN Control; Smart Eco Mode

MX810ST XGA / 2500 Lm
MX812ST XGA / 3500 Lm
MX813ST XGA / 2700 Lm
REPLACEMENT LAMP 5J.J7C05.001



BenQ W710ST

Full HD Short Throw Projector

The W710ST makes the perfect companion for movie and game lovers seeking extra fun in the down time. Built with BenQ's unique lens design, this home entertainment projector delivers 63" of unlimited action at just one meter – allowing you to enjoy any motion-control game in any size room.



- Native HD 720p (1280 x 720) Resolution
- 2500 ANSI Lumens, 10000:1 Contrast Ratio
- 0.7 Short Throw Ratio, 10W Speaker, Long Lamp Life
- Dual HDMI, DLP & NVIDIA® 3D Ready
- Auto Keystone, Quick Cooling, Variable Audio Out

REPLACEMENT LAMP 5J.J5105.001



BenQ Joybee GP2

WXGA Portable Projector

The all new Joybee GP2 is an ultra portable mini projector designed for on-the-go audiovisual entertainment. You can plug your iPhone or iPod into the iPhone/iPod-compatible dock to share videos, photos, graphics and games with family and friends wherever you go. The GP2 also supports other smartphones, tablets and media players.



- Native WXGA (1280 x 800) Resolution, HD Ready
- 200 ANSI Lumens, 2400:1 Contrast Ratio
- LED Light Source, up to 30,000 lamp hours
- All-in-one iPhone/iPod dock, Mini HDMI
- Optional Battery, 2W Speaker x2, USB Reader

REPLACEMENT LAMP LAMPLESS PROJECTOR



BenQ MW516

WXGA Portable Projector

Featuring a brightness of 2800 ANSI lumens, a high contrast ratio of 10000:1 and a WXGA resolution, the cost-effective and eco-friendly MW516 offers a stunning full-screen presentation with the finest details regardless of the ambient light level.



- Native WXGA Resolution (1280 x 800)
- 2800 ANSI Lumens; 10000:1 Contrast Ratio
- Smart Eco Mode; Long Lamp Life
- HDMI; Closed Captioning
- Quick Cooling; Variable Audio Out

MS513 SVGA / 2700 Lm
MX514 XGA / 2700 Lm
REPLACEMENT LAMP 5J.J5E05.001



BenQ MX503

XGA Portable Projector

Featuring a brightness of 2700 ANSI lumens, ultra-sharp contrast ratio of 13000:1 and a XGA resolution, the cost-effective and eco-friendly MX503 offers a stunning full-screen presentation with the finest details regardless of the ambient light level.



- Native XGA (1024 x 768) Resolution
- 2700 ANSI Lumens, 13000:1 Contrast Ratio
- BrilliantColor™, Long Lamp Life
- High Contrast Ratio, 3D Ready
- Virtually Color Decay Free; SmartEco™

MS502 SVGA / 2700 Lm
REPLACEMENT LAMP 5J.J6D05.001



BenQ MX660P

XGA Portable Projector

A projector that's designed for every occasion – the BenQ MX660P comes with everything you need to deliver outstanding presentations. Featuring XGA resolution with 3000 ANSI lumens and 5000:1 contrast ratio, the MX660P keeps you looking great with ultra-smooth USB Display and Wireless Display, USB Reader PC-less presentation and 3D ready projection!



- Native XGA (1024 x 768) Resolution
- 3000 ANSI Lumens, 5000:1 Contrast Ratio
- 2W Speaker, HDMI
- USB Display/Reader
- DLP 3D Ready, Wireless Display (Optional)

REPLACEMENT LAMP 5J.J3T05.001



BenQ MX764

XGA Installation Projector

Featuring a 1.6x big zoom, lens shift and keystone correction, the MX764 gives you an impressively wide range of projector installation and placement flexibility. This XGA projector also offers 4200 ANSI lumen ultra-high brightness, 5300:1 ultra-high contrast ratio and a 20W big built-in speaker.



- Native XGA (1024 x 768) Resolution
- 4200 ANSI Lumens, 5300:1 Contrast Ratio
- 1.6x Big Zoom; Vertical Lens Shift
- LAN Control/Display; USB Reader/Display
- DLP 3D Ready, Wireless Display (Optional)

MX763 XGA / 3700 Lm
REPLACEMENT LAMP 5J.J4N05.001



BenQ SH960

Full HD Installation Projector

Designed to excel in the most demanding settings, the SH960 boasts an energy-efficient dual-lamp system to achieve a stunning Full HD projection with 5500 ANSI lumen ultra-high brightness and 3000:1 contrast. With two lamps at work, presentations can be carried on without interruption.



- Native Full HD (1920 x 1080) Resolution
- 5500 ANSI Lumens, 3000:1 Contrast Ratio
- Dual Lamp Design; HQV™
- 1.5x Big Zoom, HDMI, H+V Lens Shift
- LAN Control, 2D Keystone

SH910 Full HD / 4000 Lm
REPLACEMENT LAMP 5J.J4L05.001



BenQ SP870

XGA Installation Projector

The BenQ SP870 is the brightest choice for all your meetings. Light and compact with 5000 ANSI lumen brightness and 2000:1 contrast ratio, the BenQ SP870 offers superior viewing experience even in rooms with the lights on. With the complement of BenQ's BrilliantColor, 3D color management, and UNSHAPE, an extraordinary picture is all you'll get!



- Native XGA (1024 x 768) Resolution
- 5000 ANSI Lumens
- 2000:1 Contrast Ratio
- DVI-D (HDCP support)
- 2W x2 Speaker Built-in

REPLACEMENT LAMP 9E.0C603.001



BenQ SP891

Full HD Installation Projector

BenQ SP891 Full HD high brightness projector offers high brightness projection with Full HD image quality. The higher the resolution, the better the image quality. Full HD resolution will give you 100% dot-to-dot viewing, quality-distortion-free.



- Native Full HD (1920 x 1080) Resolution
- 4500 ANSI Lumens, 3000:1 Contrast Ratio
- HQV™, True Pixel-by-Pixel
- 1.5x Big Zoom, HDMI, H+V Lens Shift
- LAN Control, 2D Keystone
- Warranty: 1-Year or 1500 Hrs of lamp life

SP890 Full HD / 4000 Lm
REPLACEMENT LAMP 5J.J4D05.001



BenQ W1060

Full HD Home Theater Projector

Enjoy the big picture – and the best seat in the house! The W1060 makes it real easy home theater set-up with Full HD resolution, 2000 ANSI lumen high brightness, 5000:1 high contrast ratio, built-in 10W audio power and dual HDMI interface. All you need to do is plug 'n play!



- Native Full HD (1920 x 1080) Resolution
- 2000 ANSI Lumens, 5000:1 Contrast Ratio
- 10W Speaker, Long Lamp Life
- Dual HDMI, Digital Zoom 2x
- Auto Keystone, Quick Cooling, Variable Audio Out

REPLACEMENT LAMP 5J.J5405.001



BenQ W1200

Full HD Home Theater Projector

The W1200 utilizes professional-grade technologies to give you top-of-the-line enjoyment. Frame Interpolation enables ultra-smooth fast motion picture quality. The 12-lens element Full HD optimized optical system and advanced color coating technology expands the NTSC color gamut by 85%. And, Texas Instruments' DLP® engine gives you colors that last.



- Native Full HD (1920 x 1080) Resolution
- 1800 ANSI Lumens, 5000:1 Contrast Ratio
- 20W Speakers, SRS WOWHD™
- 1.5x Big Zoom, Dual HDMI, Auto Keystone
- Frame Interpolation (MEMC), PIP, ISF ccc

W1100 Full HD / 2000 Lm
REPLACEMENT LAMP 5J.J4G05.001



BenQ W7000

Full HD Home Theater Projector

Designed to give you top-of-the-line enjoyment, the W7000 offers professional-grade visual performances that you crave for your home entertainment system, including 3D Full HD, 2000 ANSI lumen high brightness, 5000:1 high contrast ratio, BrilliantColor™, VIDI™, Rec.709 color gamut and more!



- Native Full HD (1920 x 1080) Resolution
- 2000 ANSI Lumens, 5000:1 Contrast Ratio
- Frame Interpolation (MEMC), DynamicBlack™
- 1.5x Big Zoom, Dual HDMI (1.4), H+V Lens Shift
- 3D Full HD, REC709 True Color, ISF ccc

REPLACEMENT LAMP 5J.J3905.001



DIGITAL PROJECTION

Vision Series

Considering their powerful performance, compact forms and high application value, Digital Projection's line of single-chip projectors represents the most cost effective imaging tools available today. Engineering advancements can be found throughout these products, including BrilliantColor™ and ColorMax™, which ensure long-term color fidelity.

With UHP and LED lamp options, as well as select models with active-3D capability, DP's single-chip lineup delivers a perfect display solution for any small to medium scale imaging need. Additionally, their compact size, light weight and optional ceiling mounts ensure both installation flexibility and ease of use. DP's single-chip displays excel in applications such as corporate boardrooms, training/education venues, retail/entertainment, visualization/simulation, and dynamic home cinema.

dVision Series

Multi-Venue Projectors



Equipped with dual color wheels and a hot-swappable dual-lamp system, elegantly designed dVision projectors suit most any small-to-medium venue needing bright, saturated imagery. Seven quick change lens options and an unmatched range of vertical and horizontal lens shift provide extensive installation flexibility.



A motorized lens aperture, lamp power settings and ColorMax™ calibration enable customization of contrast, light output and color performance to suit the specific needs of an application. Lamp life up to 6,000 hours or lifetime illumination provided by dVision LED models assures a remarkably low long-term cost of ownership.

- 12 Lamp models available
- 3 LED models available
- 3 color wheel options
- Lumen Range: 700 - 7,500 ANSI Lumens
- Resolutions: SXGA+, Full HD, WUXGA
- 3D Capable Models Available

DVISION REPLACEMENT LAMP (2 REQUIRED) 109-3874



iVision Series

Large Venue Projectors



Incredibly bright for their size, the iVision product line presents compelling solutions to any integrator seeking a bright, flexible and extraordinarily compact precision display. ColorMax™ calibration technology ensures iVision displays can be quickly benchmarked for color alignment.



All iVisions employ sealed optics, preventing airborne contaminants from affecting sensitive components and ensuring image quality is maintained for the long-term. Available in both fixed and zoom lens configurations, the iVision 20 series features vertical lens shift, delivering even more installation flexibility. Active-3D capable iVision 30 models are also available for small screen 3D applications.

- 45 models available, including 3D models
- 4 color wheel options
- Lumen Range: 1,400 - 3,900 ANSI Lumens
- Resolutions: WXGA, Full HD, SXGA+, WUXGA

IVISION 20 SERIES REPLACEMENT LAMP 109-688

IVISION 30 SERIES REPLACEMENT LAMP 109-689



M-Vision Series

Full HD Multi-Venue Projectors



The M-Vision series is available in both lamp-based and LED illuminated platforms. Remarkably affordable and efficient, yet powerful in their imaging fidelity, the lamp-based M-Visions produce high lumens, deep contrast and accurate color. The LED illuminated M-Visions offer tens of thousands of hours of LED lamp life, while producing the lush color saturation and color gamut previously achievable only from DP's 3-chip DLP® displays. Numerous connectivity options include two HDMI inputs, as well as RGB via D-15, component, composite and S-Video inputs. The compact and lightweight M-Vision series is ultra quiet, can be ordered with a variety of lens options and includes extensive lens shift, making it a versatile, powerful choice for any small to medium projection venue.



- 14 Lamp models available, including 3D models
- 6 LED models available
- Lumen Range: 600 - 5,500 ANSI Lumens
- Resolutions: Full HD, WUXGA (LED only)

M-VISION 230 SERIES REPLACEMENT LAMP 111-146

M-VISION 260 SERIES REPLACEMENT LAMP 109-682

M-VISION 400 & 3D SERIES REPLACEMENT LAMP 111-150

M-VISION LED SERIES LED ILLUMINATION MODULE 109-683



E-Vision Series

High-Value Projector Line



The newest addition to DP's single-chip product line, the E-Vision series brings an unprecedented high brightness, cost effective projector option to commercial AV customers. E-Vision projectors are remarkably affordable displays with the imaging fidelity of Texas Instruments' DLP® technology.



Fixed and zoom lens options give the E-Vision series a throw ratio range of .77:1 – 8.3:1. Easy to change color wheels allow the user to customize the E-Vision's performance to produce the best balance of lumens and color saturation for their application. E-Vision displays continue DP's legacy of producing powerful, efficient projectors suited for every commercial application imaginable.

- 2 models available
- 2 color wheels included
- Lumen Range: 6,000 - 8,000 ANSI Lumens
- Resolutions: WXGA, WUXGA

E-VISION 600 SERIES LAMP & HOUSING (2 REQUIRED) 110-284

E-VISION 8000 SERIES LAMP & HOUSING (2 REQUIRED) 112-531



DIGITAL PROJECTION

DP's powerful and efficient 3-chip displays present the most unified line of DLP® projectors available today. Recognized around the world as the industry's brightest and most advanced displays, DP's TITAN, LIGHTNING and HIGHlite projectors continue to deliver new capabilities and new technological advances.

Pro Series II

Innovative technologies such as ColorMax™ and CoolTek™ engineering ensure DP's 3-chip DLP® displays deliver consistently awe-inspiring imaging, while also performing with class leading lumen-per-watt efficiency. DP's exclusive RapidRig™ system, standard on LIGHTNING models and optional on TITAN models, enables tool-free stacking and flying of projectors, with integrated pitch, roll and yaw adjustments.

Augmenting DP's 3-chip product line is the new HIGHlite Cine series, which introduces an unprecedented price and performance combination for a 3-chip DLP® display. Cost-sensitive commercial applications can now be empowered with a powerful 3-chip solution that delivers the highest imaging fidelity along with the lowest cost of ownership.

HIGHlite Cine Series

Large Venue & Home Theater Projectors

DP is proud to introduce the new HIGHlite series: visually stunning, economically priced, compact and quiet displays for medium to large screen applications. With the HIGHlite Cine series, 3-chip DLP® imagery is now available at a value price point never before achieved.

The highest quality optics, including fixed and zoom lenses, accommodate throw ratios from .7: 1 up to 5.0:1, providing tremendous. Installation is incredibly flexible due to the HIGHlite's compact and lightweight chassis design, and extraordinary lens shift range of 30% horizontal and 120% vertical. Connectivity includes a diversity of digital and analog inputs with a variety of control options. Dual lamp HIGHlite models even include Warp and Blend.



- 4 models available
- Lumen Range: 2,000 - 8,000 ANSI Lumens
- Resolution: Full HD, WUXGA
- Contrast: Up to 20,000:1

HIGHLIGHT CINE 260 SERIES REPLACEMENT LAMP	110-025
HIGHLIGHT CINE 660 SERIES REPLACEMENT LAMP (2 REQUIRED)	111-100



Titan Pro Series II

Large Venue Projectors

Compact, robustly built and ultra-quiet for its performance class, the TITAN platform is an unmatched solution for any small to large venue worthy of the performance benefits of 3-chip DLP® projectors. Presenting the broadest diversity of models and capabilities within our 3-chip product line, the TITAN series is available in single, dual and quad lamp platforms. Each platform can be ordered in resolutions up to 1920 x 1200 pixels, with electronics processing, lumen levels and color-depth previously found only at the very pinnacle of the display market. A full range of active 3D TITAN projectors is also available. Additional attributes include low cost - long life lamps, extensive input and lens options intelligent lens memory and Portrait-Mode capability. Some models even include built in warp and blend.



- 29 models available
- Lumen Range: 2,000 - 16,000 ANSI Lumens
- Resolution: SXGA+, 720p, Full HD, WUXGA
- Some models include Active 3D

TITAN 600 SERIES REPLACEMENT LAMP (2 REQUIRED)	107-694
TITAN 700 SERIES REPLACEMENT LAMP (2 REQUIRED)	108-772
TITAN 330 & 660 REPLACEMENT LAMP (2 REQUIRED)	109-319
TITAN 3D REPLACEMENT LAMP (TITAN DUAL 3D MODELS REQUIRE 2 LAMPS)	109-319
TITAN 800 & QUAD 3D REPLACEMENT LAMP (800 REQUIRES 2 LAMPS, QUAD MODELS REQUIRE 4 LAMPS)	111-896



Lightning Pro Series II

Large Venue Projectors

As DP's brightest and most advanced displays, LIGHTNING Pro series projectors are the flagships of our product line. Designed for the rigors of large-venue installations and staging, they excel in their rugged construction, stellar performance, quiet operation and low relative cost of ownership.



Employing all of the new PRO SERIES II features, an intelligent lens mount and RapidRig™ frame, the LIGHTNING Pro series is the most capable and easily deployable large venue powerhouse ever conceived. In fact, every LIGHTNING model provides active 3D, 120 Hz frame rate compatibility.

- 8 models available
- Lumen Range: 10,000 - 30,000 ANSI Lumens
- Resolution: SXGA+, Full HD, WUXGA
- Every model features Active 3D

LIGHTNING PRO 30 SERIES REPLACEMENT LAMP	103-238
LIGHTNING PRO 40 SERIES REPLACEMENT LAMP	104-578



XTP Environmental Series

Environmentally Sealed Projector

Extending the application range of Digital Projection's TITAN platform to enable use in the harshest environments, Digital Projection International is pleased to introduce the IP65 compliant XTP platform. After exhaustive qualification, one hundred and fifty XTP display systems have been installed in a world famous mass transit system for the projection of cross-track advertising and digital signage.



The venues are comprised of underground subway platforms, venues which present very challenging operational environments, characterized by high density airborne contaminants, variable ambient temperature and humidity and repetitive events of thunderous vibration. Even in these very harsh venues, millions of eyes will view the messaging and advertising displayed by the XTP systems.

- 4,500 ANSI Lumen Brightness
- 2,000:1 Contrast Ratio
- WXGA (1280 x 720) Resolution

REPLACEMENT LAMP CALL FOR MORE INFORMATION



DUKANE ImagePro 8108HWI

WXGA Interactive Short Throw Projector

- 2500 ANSI Lumen Brightness
- WXGA (1280 x 800) Resolution
- Ultra Short (4 to 15 inch) throw distance
- Contrast of 2000:1
- Large hybrid filter, 4000 hours
- Built-In Anti-theft security
- 10W audio out
- New easy wall arm mounting
- No shadow/no glare
- Interactive operation with both IR and Ultrasonic pen sensor technology for super fast response and no dead spots. Pen provides left and right click capability



REPLACEMENT LAMP 456-8104HWA



DUKANE ImagePro 8106H

XGA Ultra-Short Throw Projector

- 3000 ANSI Lumen Brightness
- XGA (1024 x 768) Resolution
- Ultra Short (4 to 15 inch) throw distance
- Large hybrid filter, 4000 hours
- Monitor loophthrough
- Built-In Anti-theft security
- 10W audio out
- New easy wall arm mounting
- Perfect Fit 2 for easy setup
- Mic input and audio pass-through in standby mode



ImagePro 8105H XGA / 2,200 Lm

ImagePro 8104HW WXGA / 2,500 Lm

REPLACEMENT LAMP 456-8104HWA



DUKANE ImagePro 8111H

WXGA Short Throw Projector

- 2000 ANSI Lumen Brightness
- WXGA (1280 x 800) Resolution
- Whiteboard & Blackboard Modes
- Easy maintenance with lamp access on top, 4000 hour filter with side access
- Monitor loophthrough & remote mouse control
- Instant On and Off
- Short throw for small rooms and IW Boards
- Built-In Anti-theft security
- Audio passthrough for sound when projector is off
- 3000/4000 hour lamp life
- Lock slot, security bar and transition detector



ImagePro 8110H XGA / 2,000 Lm

REPLACEMENT LAMP 456-8110H



DUKANE ImagePro 8785

XGA Portable Projector

- 2000 ANSI Lumen Brightness
- XGA (1024 x 768) Resolution
- 3 Polysilicon Active-Matrix LCDs
- Wide angle lens
- Network/wireless connectivity
- PIN Security Transition Detector
- Vertical keystone correction +/- 30 deg
- Easy to transport, only 4.1 lbs
- Monitor loophthrough
- Remote mouse control
- Blackboard and whiteboard mode



REPLACEMENT LAMP 456-8770



DUKANE ImagePro 8755N

XGA Portable Projector

- 2400 ANSI Lumen Brightness
- XGA (1024 x 768) Resolution
- Wireless Presentation Ready
- Whiteboard Mode
- PJMessenger
- Network Control, Maintenance and Security
- Present Content via LAN
- Easy Maintenance
- Template Function
- PC-Less Presentation & Display via USB
- PIN Lock/MyScreen/MyText



REPLACEMENT LAMP 456-8755N



DUKANE ImagePro 8795H-RJ

XGA Portable Projector

- 3200 ANSI Lumen Brightness
- XGA (1024 x 768) Resolution
- Advanced Network display and control
- Monitor loophthrough
- Wireless capability option
- Built-In Anti-theft security
- Audio passthrough for sound when projector is off
- 3000/5000 hour lamp life, Intelligent Eco mode
- Lock slot, security bar and transition detector
- Easy maintenance in ceiling mount with lamp access on top & 5000 hour hybrid filter with side access



ImagePro 8794H-RJ XGA / 2,700 Lm

REPLACEMENT LAMP 456-8794H



DUKANE ImagePro 8956H-RJ

XGA Portable Projector

- 4000 ANSI Lumen Brightness
- XGA (1024 x 768) Resolution
- Built-In Anti-theft security
- 3000/6000 hour lamp life
- PC less presentations from a flash drive
- Instant On & Off, and .5 watt in standby mode
- 16 Watt audio output
- Audio passthrough for sound when projector is off
- New, Wireless LAN operation with 802.11 b/g/n
- Easy maintenance in ceiling mount with lamp access on top & 6000 hour filter with front access
- Microphone input with amplifier for voice support



ImagePro 8925H-RJ XGA/2700 Lm

ImagePro 8926H-RJ XGA/3200 Lm

REPLACEMENT LAMP 456-8755J



DUKANE ImagePro 8957HW-RJ

WXGA Portable Projector

- 4000 ANSI Lumen Brightness
- 1280 x 800 WXGA resolution
- Stackable for two times the light output
- Horizontal & Vertical lens shift
- Microphone input with amplifier
- PC less operation via USB memory device
- Audio passthrough for sound when projector is off
- Monitor loophthrough & remote mouse control
- 2000:1 Contrast
- 16 Watt audio output
- 3000/5000 hour lamp life
- Lock slot, security bar, and transition detector



ImagePro 8959H-RJ XGA / 5,000 Lm

REPLACEMENT LAMP 456-8958H-RJ



DUKANE ImagePro 8791HW

WXGA Portable Projector

- 2600 ANSI Lumen Brightness
- WXGA (1280 x 800) Resolution
- Monitor loophthrough
- Instant On and Off
- Short Throw Distance
- Whiteboard & Blackboard Modes
- Easy maintenance in ceiling mount with lamp access on top & hybrid filter with side access
- Audio passthrough for sound when projector is off
- 3000/4000 hour lamp life
- Lock slot, security bar and transition detector



ImagePro 8793H XGA / 2,600 Lm

ImagePro 8788 XGA / 2,200 Lm

REPLACEMENT LAMP 456-8789



DUKANE ImagePro 8950P

WXGA Large Venue Projector

- 7500 lumen brightness
- XGA (1024 x 768) Resolution
- 2500:1 Contrast ratio
- Filter life of 10,000 hours
- Rich connectivity
- 10 bit full digital video processing
- Six bayonet style lens options
- Ultra wide range lens shift (2.7 vert & 2.2 horiz.)
- Long life inorganic LCD options
- Mechanical shutter for Blank mode
- Security bar and transition detector



ImagePro 8951P WXGA / 6500 Lm

ImagePro 8952P SXGA / 7000 Lm

REPLACEMENT LAMP 456-8755JP



DUKANE ImagePro 9136

SXGA+ Portable Projector

- 4000 ANSI Lumen Brightness
- SXGA+ (1400 x 1050) Resolution
- Full 720p display
- Network Capability , RJ-45 connection
- Whiteboard & Blackboard Modes
- Easy lamp access on top & 2000 hour filter access on side
- Monitor loophthrough & remote mouse control
- Optional bayonet style lenses available
- Audio pass-through when projector is off
- Horizontal & vertical lens shift
- Kensington lock slot & security bar



ImagePro 8949H WXGA / 4000 Lm

REPLACEMENT LAMP 456-8949H



DUKANE ImagePro 8973W

WXGA Installation Projector

- 5500 ANSI Lumen Brightness
- WXGA (1280 x 800) Resolution
- 20,000 Hour Hybrid Filter
- 3000 Hour Lamp Life (Eco Mode)
- Wireless Presentation Ready (via Optional Adapter)
- 16 Watt Stereo Audio Output
- Less than 1W in Power Saving Standby Mode
- PIN Lock/MyScreen/MyText
- One Standard Lens & Three Optional Lenses
- Network LAN Connection for control & security



Image Pro 8970 XGA / 5,000 Lm

ImagePro 8971 XGA / 6,000 Lm

ImagePro 8972w WXGA / 4,000 Lm

REPLACEMENT LAMP 456-8971



EPSON BrightLink **455Wi**
EXCEED YOUR VISION WXGA Interactive Projector

In the past, you needed a projector and an interactive whiteboard to create an interactive learning environment. Now, make a table or almost any wall interactive with the BrightLink 455Wi Interactive Projector. This high-performance projector + pen combination integrates interactive functionality in one machine, without the constraints or expense of an interactive whiteboard.



- Brightness: 2500 ANSI Lumens, WXGA Resolution (1280 x 800)
- Ultra-Short Throw Distance (59" – 96" WXGA)
- 2,000:1 Contrast Ratio
- USB Plug 'n Play
- Weighs only 12.9 lbs
- Comes with Two (2) interactive pens

REPLACEMENT LAMP V13H010L57

**EPSON** PowerLite **485W**
EXCEED YOUR VISION WXGA Ultra-Short Throw Projector

The PowerLite 485W ultra-short-throw projector makes it easy to project large, vibrant images from the shortest distance for maximum impact and flexibility. They can be mounted to the wall with the included wall mount, making it ideal for use with interactive or standard dry-erase whiteboards.



- 3100 Lumens, WXGA Resolution (1280 x 800)
- Project an 80" image from just 8" away
- 3-in-1 USB Plug 'n Play
- 4000-hour lamp life

PowerLite 470 XGA / 2600 Lm

PowerLite 475W WXGA / 2600 Lm

PowerLite 480 XGA / 3000 Lm

REPLACEMENT LAMP V13H010L71

**EPSON** PowerLite **435W**
EXCEED YOUR VISION WXGA Short Throw Projector

Captivate any classroom or conference room with ultra bright images from the PowerLite 435W, a powerful short-throw projector that is ideal for wall-mount installations or use with interactive whiteboards. This short-throw projector minimizes shadow interference and glare, to ensure optimum viewing of your presentations.



- 3000 Lumens, WXGA Resolution (1280 x 800)
- Project an 80" image from just 2.7 feet away
- 3-in-1 USB Plug 'n Play
- PC-free slideshows

PowerLite 420 XGA / 2500 Lm

PowerLite 425W WXGA / 2500 Lm

PowerLite 430 XGA / 3000 Lm

REPLACEMENT LAMP V13H010L61

**EPSON** VS410
EXCEED YOUR VISION XGA Portable Projector

The Epson VS410 breaks the mold for affordable, portable, ultra bright business projectors, delivering amazing images in any setting with easy-to-use features. Brilliant XGA resolution, 4000 ANSI lumens of brightness and 3LCD, 3-chip technology ensure amazing presentations, even in large conference rooms.



- 4000 Lumens, XGA Resolution (1024 x 768)
- 2500:1 Contrast Ratio
- 1.6x optical zoom
- Built-in 5W speaker
- 4000-hour lamp life
- Weighs only 7.25 lbs

REPLACEMENT LAMP V13H010L64

**EPSON** PowerLite **1880**
EXCEED YOUR VISION XGA Portable Projector

Whether you're a CEO or teacher of higher education, the PowerLite 1880 enhances presentations with ease and versatility. Regardless of the room setup, this projector's advanced flexibility always allows for quick adaptation. The horizontal keystone correction slider bar makes it easy to create a perfectly rectangular image no matter where you place the projector.



- 4000 Lumens, XGA Resolution (1024 x 768)
- Contrast Ratio: 2,500:1
- USB plug 'n play instant setup
- Crestron RoomView Enabled
- PC-free slideshows
- Weighs only 7.4 lbs

REPLACEMENT LAMP V13H010L64

**EPSON** PowerLite **D6250**
EXCEED YOUR VISION XGA Portable Projector

Boasting a robust design, advanced networking capabilities and cost-efficient maintenance features, the PowerLite D6250 is the perfect solution for lecture halls and corporate conference rooms alike. Featuring a dust-resistant design, long lamp life and amazing 10000-hour filter cycle, the D6250 offers XGA resolution and 4000 ANSI lumens of brightness.



- 4000 Lumens, XGA Resolution (1024 x 768)
- Contrast Ratio: 2,000:1
- Wireless LAN
- Crestron RoomView Enabled
- Weighs only 9.7 lbs

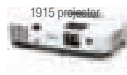
PowerLite D6150 XGA / 3500 Lm

PowerLite D6155W WXGA / 3500 Lm

REPLACEMENT LAMP V13H010L64

**EPSON** PowerLite **1915**
EXCEED YOUR VISION XGA Portable Projector

The powerful, portable Epson PowerLite 1915 projector yields vivid, high quality images, yet still includes a host of user-friendly features, such as a wireless module for easy wireless setup. The PowerLite 1915 offers remarkable versatility with innovative features like Screen Fit, powered focus and more.



- 4000 Lumens, XGA Resolution (1024 x 768)
- Contrast Ratio: 2,000:1
- USB Plug 'n Play instant setup
- PC-free presentations
- Wireless LAN
- Weighs only 7.82 lbs

REPLACEMENT LAMP V13H010L53

**EPSON** PowerLite **X12**
EXCEED YOUR VISION XGA Portable Projector

Featuring XGA resolution and 2800 ANSI lumens of brightness, the PowerLite X12 produces crisp, bright presentations in any classroom or conference room, all at an affordable price. Thanks to HDMI digital connectivity, you can connect to the latest laptops and media players for high-quality audio and video with just one cable.



- 2800 Lumens, XGA Resolution (1024 x 768)
- Contrast Ratio: 3,000:1
- Built-in 2 W speaker
- 3-in-1 USB Plug 'n Play instant setup
- Weighs only 5.1 lbs

PowerLite S11 SVGA / 2600 Lm

REPLACEMENT LAMP V13H010L67

**EPSON** PowerLite **1775W**
EXCEED YOUR VISION WXGA Portable Projector

Its ultra-slim design, radiant widescreen and easy wireless connectivity make the Epson PowerLite 1775W the ultimate choice in portable projectors. It delivers value, convenience and performance. The PowerLite 1775W easily delivers HD video content or images from your widescreen notebook with native WXGA resolution.



- 3000 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 2,000:1
- PC-free presentations
- USB Plug 'n Play
- Weighs only 3.8 lbs

PowerLite 1750 XGA / 2600 Lm

PowerLite 1760W WXGA / 2600 Lm

PowerLite 1770W WXGA / 3000 Lm

REPLACEMENT LAMP V13H010L65

**EPSON** PowerLite **915W**
EXCEED YOUR VISION WXGA Portable Projector

Captivate any classroom with ultra bright images from the PowerLite 915W. This leading-edge performer ensures brilliant presentations in any setting with 3200 lumens of color / white light output. The PowerLite 915W is also equipped with a microphone input and a premium 16 W speaker, so all students will hear the lesson, without costly speakers or voice strain.



- 3200 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 2,000:1
- Weighs only 7.4 lbs
- Wireless LAN
- 4000 hour lamp life in Normal mode

PowerLite 905 XGA / 3000 Lm

REPLACEMENT LAMP V13H010L61

**EPSON** VS315W
EXCEED YOUR VISION WXGA Portable Projector

The VS315W delivers amazing high-definition performance for compelling, high-impact presentations. With a high-definition, widescreen, 16:10 format, the VS315W produces 30% more image area than a standard projector, while 3LCD technology and 2600 lumens of light output create brilliant color and razor-sharp detail that's sure to captivate any audience.



- 2600 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 3,000:1
- Weighs only 5.1 lbs
- USB Plug 'n Play

VS210 SVGA / 2600 Lm

VS310 XGA / 2600 Lm

REPLACEMENT LAMP V13H010L67

**EPSON** PowerLite **1261W**
EXCEED YOUR VISION WXGA Portable Projector

The PowerLite 1261W delivers the ultimate in HD performance for compelling presentations. A breathtaking widescreen, 16:10 format produces 30% more image area than lower resolution projectors, while 2800 lumens of brightness create brilliant color and razor-sharp detail that's sure to captivate any audience. Set up in a flash with USB Plug 'n Play instant setup, plus horizontal image correction via the innovative, user friendly, easy-slide control bar.



- 2800 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 3,000:1
- Weighs only 5.1 lbs
- USB Plug 'n Play

PowerLite 1221 XGA / 2800 Lm

REPLACEMENT LAMP V13H010L67

**EPSON** PowerLite **4300**
EXCEED YOUR VISION XGA Installation Projector

Engineered for easy installation, the PowerLite 4300 offers a flexible solution for any classroom or boardroom. Featuring 5200 lumens of light output, plus XGA resolution, this powerful performer ensures amazing presentations and provides convenient maintenance features. The PowerLite 4300 is ideal for both executive boardrooms and educational institutions, with value, power and performance for all your presentation needs.



- 5200 Lumens, XGA Resolution (1024 x 768)
- Contrast Ratio: 1,000:1
- Network-ready — RJ-45 LAN connection with monitor and control capabilities
- 1.8x zoom lens and Quick Corner®

PowerLite 4100 XGA / 4500 Lm

PowerLite 4200W WXGA / 4500 Lm

REPLACEMENT LAMP V13H010L63

**EPSON** MovieMate **85HD**
EXCEED YOUR VISION WXGA Home Theater Projector

Experience the ultimate versatility in widescreen, high-definition home entertainment with Epson MovieMate 85HD, a powerful projector, DVD and music player combo that brings your brilliant blockbuster performance. Just plug, load and play. Get larger-than-life entertainment — anytime, day or night — with 2500 ANSI lumens of brightness and 720p widescreen performance.



- 2500 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 3,000:1
- Built-in DVD player and dual Dolby® 5.1 Digital DTS® 10 W stereo speakers
- Up to 5000 hour lamp life

REPLACEMENT LAMP V13H010L66

**EPSON** MegaPlex **MG-850HD**
EXCEED YOUR VISION Full HD Home Theater Projector

This revolutionary product reinvents how you share presentations, slideshows, high-def movies, audio and more. The easy-to-use MegaPlex MG-850HD eliminates the confinement of small screens and lets you share multimedia content from your digital device, from the boardroom to the media room. Place your Apple® device in the built-in dock. Or, connect your smartphone, tablet, gaming console, PC and more.



- 2800 Lumens, WXGA Resolution (1280 x 800)
- Contrast Ratio: 3,000:1
- Built-in dock — perfect for your Apple iPod, iPhone and iPad
- Big stereo sound — two built-in 10-watt speakers enhance your presentation

REPLACEMENT LAMP V13H010L67

**EPSON** PowerLite Home Cinema **8350**
EXCEED YOUR VISION Full HD Home Theater Projector

Convenient and affordable, the 1080p PowerLite Home Cinema 8350 presents movies, sports and video games like you've never seen them. Epson's D7 chip and a superb contrast ratio of up to 50,000:1 work to deliver sharp, distinctive details. C-Fine™ technology, 3LCD, 3-chip optical engine, an Epson exclusive cinema filter and a state-of-the-art Fujinon® lens generate a full spectrum of spectacular, true-to-life colors. Two HDMI 1.3 ports offer convenient, cutting-edge connectivity. And, efficient filtration and airflow management systems are built in, for easy use and maintenance.



- 2000 Lumens, Full HD Resolution (1920 x 1080)
- Contrast Ratio: 50,000:1
- 80" widescreen image from just 8' away

REPLACEMENT LAMP V13H010L49



SHARP PG-D2870W

WXGA Short Throw Projector

The 3D Ready Sharp PG-D2870W combines high brightness (3000 Lumens) and WXGA native resolution with the convenience of short-throw projection design. This makes the PG-D2870W a wise choice for classroom and meeting room applications. In addition to incorporating the latest BrilliantColor™ DLP® technology with DLP Link™ (for high quality 3D projection from a single projector), the PG-D2870W offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. With standby power consumption as low as 0.32W and an estimated lamp life of up to 5,000 hours (Eco+Quiet: On), this slim and lightweight projector is exceptionally environmentally friendly!



- Short-Throw Projects Large Images from Short Distance
- 3000 Lumens, WXGA Native Resolution (1280 x 800, 16 : 10)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including RJ-45 network connector
- High Output 7 Watt Audio System

REPLACEMENT LAMP AN-D350LP



SHARP PG-LS2000

SVGA Portable Projector

Delivering high image quality and superb reliability, the 3D Ready BrilliantColor DLP PG-LS2000 is an excellent choice for classroom, meeting room and small office use. Portable and affordable, with 2,800 lumens and 2000:1 contrast ratio, the SVGA native resolution PG-LS2000 provides exceptionally vibrant and realistic image reproduction. The sealed DLP chip with filter-free design helps ensure low maintenance and operating costs. With standby power consumption as low as 0.5W and estimated lamp life of up to 5,000 hours (Eco+Quiet mode: On), this lightweight projector is designed for reduced environmental impact



- 2800 Lumens, SVGA Native Resolution
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- On-Board Speaker; Built-in Closed Caption Decoder
- Presentation Assist Functions by Remote Control
- "Quick Start" On-Screen Setup Guide

REPLACEMENT LAMP AN-LX20LP
ALSO AVAILABLE IN XGA: PG-LX2000



SHARP PG-D2710XL

XGA Portable Projector

The Sharp 3D Ready PG-D2710XL takes projection to the next level. In addition to incorporating the latest BrilliantColor™ DLP® technology with DLP Link™ (for high quality 3D projection from a single projector), the 2700 Lumens XGA native resolution PG-D2710XL offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. With low standby power consumption of only 0.32W and an estimated lamp life of up to 5,000 hours (Eco+Quiet: On), this slim and lightweight projector is exceptionally environmentally friendly!



- 2700 Lumens, XGA Native Resolution (1024 x 768, 4:3)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including RJ-45 network connector
- High Output 7 Watt Audio System; Built-in Closed Caption
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AND350LP
ALSO AVAILABLE IN XGA: PG-D2510X (2500 LM)



SHARP PG-D3510XL

XGA Portable Projector

With high brightness of 3500 Lumens and XGA native resolution, the 3D ready PG-D3510X is ideal for larger classrooms, lecture halls, conference rooms, houses of worship, and rental/staging applications. In addition to incorporating the latest BrilliantColor™ DLP® technology with DLP Link™ (for high quality 3D projection from a single projector), the PG-D3510X offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. With low standby power consumption of only 0.32W and an estimated lamp life of up to 4,000 hours (Eco+Quiet: On), this slim and lightweight projector is exceptionally environmentally friendly!



- 3500 Lumens, XGA Native Resolution (1024 x 768, 4:3)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including RJ-45 Network Connector
- High Output 7 Watt Audio System; Built-in Closed Caption
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AND350LP
ALSO AVAILABLE: PG-D3010XL (3000 LM)



SHARP PG-D45X3D

XGA Portable Projector

The 3D Ready Sharp PG-D45X3D BrilliantColor™ DLP® Projector incorporates DLP® Link™ technology for high quality 3D projection from a single projector. In addition to operating as a traditional "2D" projector, this future-proof model projects stunning 3D imagery that appears to come to life. This Sharp projector is well suited for classroom / lecture hall use, corporate meeting rooms, scientific and medical imaging, architecture and engineering, house of worship, rental/staging, trade shows and other public events.



- 4500 Lumens, XGA Resolution (1024 x 768, 4:3)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2500:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including DVI-I and RJ-45
- High Output 10 Watt Audio System (Stereo - 5W/Ch)
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AND400LP



SHARP PG-D50X3D

XGA Portable Projector

The 3D Ready Sharp PG-D50X3D BrilliantColor™ DLP® Projector incorporates DLP® Link™ technology for high quality 3D projection from a single projector. In addition to operating as a traditional "2D" projector, this high brightness model projects stunning 3D imagery that appears to come to life. With 5000 lumens brightness, this Sharp projector is well suited for large classroom / lecture hall use, corporate meeting rooms, scientific and medical imaging, architecture and engineering, house of worship, rental/staging, trade shows and other public events.



- 5000 Lumens, XGA Resolution (1024 x 768, 4:3)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2500:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including DVI-I and RJ-45
- High Output 10 Watt Audio System (Stereo - 5W/Ch)
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AN-D500LP



SHARP PG-D3050W

WXGA Portable Projector

The 3D Ready Sharp PG-D3050W offers a high brightness of 3000 Lumens and WXGA native resolution making it a smart choice for classroom / lecture hall and corporate conference room applications. In addition to incorporating the latest BrilliantColor™ DLP® technology with DLP Link™ (for high quality 3D projection from a single projector), the PG-D3050W offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. With standby power consumption as low as 0.32W and an estimated lamp life of up to 5,000 hours (Eco+Quiet: On), this slim and lightweight projector is exceptionally environmentally friendly!



- 3000 Lumens, WXGA Native Resolution (1280 x 800, 16 : 10)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including RJ-45 network connector
- High Output 7 Watt Audio System
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AN-D350LP



SHARP PG-D3550W

WXGA Portable Projector

The 3D Ready Sharp PG-D3550W is an excellent choice for classroom / lecture hall and corporate conference room applications. In addition to incorporating the latest BrilliantColor™ DLP® technology with DLP Link™, the PG-D3550W offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. With standby power consumption as low as 0.32W and an estimated lamp life of up to 5,000 hours (Eco+Quiet: On), this slim and lightweight projector is exceptionally environmentally friendly!



- 3500 Lumens, WXGA Native Resolution (1280 x 800, 16 : 10)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2000:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including RJ-45 network connector
- High Output 7 Watt Audio System
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AN-D350LP



SHARP PG-D40W3D

WXGA Portable Projector

In addition to operating as a traditional "2D" projector, this future-proof model projects stunning 3D imagery that appears to come to life. The unique combination of high brightness, image quality, 3D versatility and reliability makes the HD compatible Sharp PG-D40W3D ideal for permanent installations, as well as more transportable applications in corporate, educational, government, house of worship and rental/staging settings.



- 4000 Lumens, WXGA Resolution (1280 x 800, 16:10)
- 3D Ready with DLP® Link™ Technology
- BrilliantColor™ DLP Technology (2200:1 Contrast Ratio)
- Sealed DLP Chip with Filter-Free Design
- Wide Connectivity including HDMI® and RJ-45
- High Output 10 Watt Audio System (Stereo - 5W/Ch)
- Presentation Assist Remote with PC/Mouse Control

REPLACEMENT LAMP AN-D400LP



ViewSonic PJD7583Wi

WXGA Interactive Projector

The PJD7583Wi is an advanced short throw DLP widescreen projector which includes BrilliantColor™ technology to produce more vibrant colors, while the high brightness and contrast ratios make this projector shine in virtually any lighting situation. Priced at just a fraction of the cost of a traditional 77" interactive board, the ViewSonic iProjector provides ultimate flexibility for interactive learning.



- Brightness: 3000 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Interactive pen
- Network control through RJ-45
- Short throw lens for large, stunning images in small places
- 95" image from just 39" away
- Supports Crestron RoomView® Express

PJD7383i XGA / 3000 Lm

REPLACEMENT LAMP RLC-057



ViewSonic PJD7383

XGA Short Throw Projector

The PJD7383 is an advanced ultra short throw DLP® projector which includes BrilliantColor™ technology to produce more vibrant colors, while the high brightness and contrast ratio make this projector shine in virtually any lighting situation. With its ultra short throw lens, it can project an 81-inch image from just 39" away. The PJD7383 can be displayed and managed over the network through its advanced management software. The ViewSonic PJD7383 is the ideal projector for both businesses and schools.



- Brightness: 3000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Network control through RJ-45
- PC-Less Slide Show Presentation
- Screen size of 81" from just 39" away
- Wireless Capability

PJD7583W WXGA / 3000 Lm

PJD5353 XGA / 2500 Lm

REPLACEMENT LAMP RLC-057



ViewSonic PJD5233

XGA Portable Projector

The ViewSonic® PJD5233 DLP® projector is ideal for use in the office or on the campus. It delivers amazingly clear images with 2700 ANSI lumens, 3000:1 contrast ratio and XGA 1024 x 768 native resolution. The projector is packed with features like HDMI, multiple PC and video inputs, is 120Hz/3D-ready for any PC-based 3D applications, supports HD 1080p video signal and has an integrated speaker for multimedia. With high contrast ratio and brightness and ViewMatch™ technology to adjust color perfectly, your presentations will be rich and vibrant in any setting.



- Brightness: 2700 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- Eco-mode extends lamp life
- 3D Ready
- 120Hz Refresh Rate

PJD5223 Without HDMI

REPLACEMENT LAMP RLC-072



ViewSonic PJD6223

WXGA Portable Projector

ViewSonic's PJD6223 is an advanced networkable DLP® projector which is equipped with Crestron® built-in e-Control™ and RoomView Express™, making it ideal for classroom and corporate environments. The new PJD6223 incorporates BrilliantColor™ technology to produce more vibrant colors, while 2700 ANSI lumens and 4000:1 high contrast ratio make this XGA 1024 x 768 projector shine in virtually any lighting situation. It's also packed with features like HDMI, network management, is 120Hz/3D-ready and has a 10-watt speaker.



- Brightness: 2700 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 4,000:1 (Dynamic)
- Networkable
- 3D Ready
- 120Hz Refresh Rate

PJD6221 Without HDMI

REPLACEMENT LAMP RLC-050



ViewSonic PJD6253

XGA Portable Projector

ViewSonic's PJD6253 is an advanced networkable DLP® projector equipped with Crestron® built-in e-Control™ and RoomView Express™ making it ideal for classroom and corporate environments. With ECOView™ technology, the presenter can dim the image for control of audience focus while saving up to 70% in energy. It's also packed with features like HDMI, network management, is 120Hz/3D-ready and has a 10-watt speaker. The PJD6253 is ideal for use in education, enterprise or business settings.



- Brightness: 3500 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 4,000:1 (Dynamic)
- Weights only 5.7 lbs
- Crestron® built-in e-Control™ and RoomView Express™
- 3D Ready & 120Hz

REPLACEMENT LAMP RLC-071



ViewSonic PLED-W500

WXGA Portable Projector

ViewSonic's PLED-W500 is an ultra portable LED projector, ideal for on-the-go business presentations. With LED light source technology, the PLED-W500 has over 20,000 hours of lamp life while operating at a low power consumption. Its compact, 3-pound design is packed with features like HDMI, 1GB file storage, multiple PC and video inputs, SD & USB slots for PC-less presentation, USB display, is 120Hz/3D-ready, auto vertical keystone correction and has integrated speakers.



- Brightness: 500 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 6,000:1
- Lampless LED Projection
- Integrated 1GB Media Storage
- PC-Less Presentation with SD & USB
- Automatic Vertical Keystone Correction
- Compact Design - Only 2.6 lbs

PLED-W200 WXGA / 250 Lm

REPLACEMENT LAMP LED LIGHT SOURCE



ViewSonic PJL9371

XGA Installation Projector

The ViewSonic® PJL9371 is an advanced high brightness LCD projector which delivers 4000 lumens with a 2000:1 contrast ratio at XGA (1024 x 768) native resolution to shine in virtually any lighting situation.



- Top load lamp and bottom filter with slide design provide for easy maintenance
- 7 default picture modes (Normal, Cinema, Dynamic, Blackboard, Greenboard, Whiteboard and Daylight modes) to choose from depending on the projected source
- RS-232 connectivity enables remote control, while the extensive input options and integrated 16W speakers provide for effective presentations or classroom lessons.
- Brightness: 4000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- Weights 9.5 lbs

REPLACEMENT LAMP RLC-053



ViewSonic Pro8500

XGA Installation Projector

The ViewSonic® Pro8500 is an advanced high brightness DLP® installation projector which includes BrilliantColor™ technology to produce more vibrant colors. The Pro8500 delivers 5000 lumens with a XGA (1024 x 768) native resolution. The Pro8500 provides maximum mounting flexibility with a wide 1.5X optical zoom adjustment and a multitude of connectivity options including Network Display, USB, and Wi-Fi. The filter-less design and long lamp life provide for easy maintenance and low total cost of ownership.



- Brightness: 5000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 4,900:1
- Weights only 8.5 lbs
- 3D Ready

Pro8200 Full HD / 2000 Lm

Pro8400 Full HD / 4000 Lm

Pro8450W WXGA / 4500 Lm

REPLACEMENT LAMP RLC-059



ViewSonic PJD5133

SVGA Portable Projector

The ViewSonic® PJD5133 is a high-performance SVGA 800 x 600 DLP® projector with 2700 ANSI lumens and 3000:1 contrast ratio. This projector offers a variety of hardware and software features including HDMI, multiple PC and video input options, 1.1x manual optical zoom, vertical keystone correction, is 120Hz/3D-ready, supports HD video signal and has an integrated speaker. Filter-less design and energy-saving Eco-mode provide for easy maintenance and longer product life. The PJD5133 lightweight design is ideal for tabletop use or ceiling mounting in both classrooms and corporate offices.



- Brightness: 2700 ANSI Lumens
- Resolution: SVGA (800 x 600)
- Contrast Ratio: 2,000:1 (Typical)
- 3D Ready
- 120Hz Refresh Rate
- Weights only 5.7 lbs

PJD5123 SVGA / 2700 Lm

REPLACEMENT LAMP RLC-072



ViewSonic PJL6243

XGA Portable Projector

The ViewSonic® PJL6243 is an advanced 3LCD projector which delivers 3000 ANSI lumens with a 1024 x 768 XGA resolution. This projector is designed for table-top or ceiling-mounted use. With a 1.2 optical zoom lens and an integrated speaker, it is ideal for classrooms and meeting rooms. The top load lamp and bottom filter with slide design provide for easy maintenance. There are 7 default picture modes: standard, real, dynamic, blackboard, color board (red/blue/yellow/green) modes to choose from depending on the user's projected screen.



- Brightness: 3000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 2,000:1
- Weights only 6.4 lbs
- Crestron® e-Control™ system and RoomView Express™

PJL6233 XGA / 2600 Lm

REPLACEMENT LAMP RLC-065



ViewSonic PJD6553W

WXGA Portable Projector

ViewSonic's PJD6553w is an advanced networkable, widescreen format DLP® projector equipped with Crestron® built-in e-Control™ and RoomView Express™, making it ideal for classroom and corporate environments. In addition, the PJD6553w is AMX® certified which further enhances it to be a robust, networkable projector for any size of campus or enterprise. LAN connectivity enables remote network management for easy maintenance, while the extensive input options including HDMI and integrated 10W speaker provide amazing multimedia performance.



- Brightness: 3500 ANSI Lumens
- Resolution: WXGA (1280 x 800)
- Contrast Ratio: 4,000:1 (Dynamic)
- Eco-mode extends lamp life
- 3D Ready
- Weights 5.7 lbs

PJD5523W WXGA / 2700 Lm

REPLACEMENT LAMP RLC-071



ViewSonic Pro9500

XGA Installation Projector

The Pro9500 is an advanced high brightness LCD installation projector which includes 3LCD technology to produce more vibrant colors. The Pro9500 delivers 5000 ANSI lumens, 3500:1 contrast ratio (active iris) with a XGA (1024 x 768) native resolution, allowing it to shine in virtually any lighting situation.



The Pro9500 provides maximum mounting flexibility with a wide 1.7x optical zoom, lens shift, automatic vertical keystone correction, wider throw ratio and advanced connectivity options including network display and USB plug-&-play display. Top load lamp and filter designs provide for easy maintenance.

- Brightness: 5000 ANSI Lumens
- Resolution: XGA (1024 x 768)
- Contrast Ratio: 3,500:1
- Eco-Mode For Green Savings
- Stack 2 Projectors for 10,000 Lm
- Network Display & control through RJ-45
- PC-Less Slide Show Presentation
- Superior 16-watt stereo sound

REPLACEMENT LAMP RLC-063



IAVI's ServicePak **ENHANCED WARRANTY**

Peace of mind for your customer.
Profits for you!

Offer IAVI's ServicePak Enhanced Warranty with Flat Panels or Projectors and easily increase your margins up to 60%!

What is the ServicePak?

IAVI's ServicePak Enhanced Warranty program has been custom designed to meet the needs of professional installation companies and resellers. With some of the lowest prices in the industry, selling IAVI's ServicePak helps you win customers and dramatically increase your profits.

How Does it Work?

The ServicePak Enhanced Warranty extends the manufacturer's original warranty on your flat panel or projector to a total of 2, 3, 4, or 5 years*. The ServicePak Enhanced Warranty period is inclusive of the original manufacturers' warranty.



Service Agreements Administered by
Bankers Warranty Group and BWG Protection Plans Inc.
In Florida, Service Agreements Administered by
Bankers Warranty Group of Florida, Inc.
11101 Roosevelt Blvd. N., St. Petersburg, FL 33716

What's in it for you?

- Increased profits
- Differentiation for your company
- Better service for your customers
- Reduces on-site service calls
- Covers both displays and projectors

What's in it for your customer?

- Budget control
- The BWG network of pre-screened, authorized service centers throughout the U.S.
- No deductibles or hidden charges
- Fully Insured Warranty Program
- 24/7 multi-lingual customer service
- Can cover removal and reinstallation (limitations apply)

Features of the ServicePak

- Covers all makes and models
- 100% parts and labor of all covered services*
- BWG network of pre-screened, authorized service centers throughout the U.S.
- On-site coverage available
- No deductibles or hidden charges
- Toll-Free customer service number and 24/7/365 customer support from BWG
- No limit on the number of repairs*
- Contract may be renewable
- Transferable to new owner if product is sold or traded

Offer IAVI's ServicePak Enhanced Warranty with Flat Panels or Projectors and easily increase your margins and protect your customers!

No other enhanced warranty gives end users so much coverage and convenience—and such a great opportunity for you. IAVI's ServicePak Enhanced Warranty provides additional coverage after the manufacturer's warranty has expired.

Anytime service is required for a covered product, a simple toll-free call to one of our customer service representatives allows us to quickly locate a convenient authorized service center that can handle the repair.

* Term is from date of purchase and is inclusive of the original manufacturer's warranty. Bankers Warranty Group's liability begins at the end of the manufacturer's warranty.
** Bankers Warranty Group may elect to cash settle rather than replacing or repairing the defective unit.

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Digital Signage Solutions

Digital Signage & Displays



IAVI offers Digital Signage Displays, software and hardware for complete solutions from premier manufacturers, offering affordability, versatility and reliability.

One of the fastest growing trends in the Pro AV industry, Digital Signage solutions consist of a host of products yielding high margin, even with the simplest installation.

IAVI has strong relationships with quality manufacturers, enabling us to offer many cost saving promotions and programs. Maintaining your competitive edge through IAVI's lower pricing helps maximize your profits and expand your business. Our sales representatives are experts at Digital Signage applications and will help you navigate through the many components and requirements necessary in developing the solution that works best for your proposal.

Digital Signage solutions are easier to use, more reliable and more affordable than ever before, and the cost savings and versatility of digital signage solutions to your customer are hard to ignore. Flexible and timely content management are key requirements, and more emphasis than ever is being placed on environmentally conscious message delivery solutions. IAVI focuses on the newest innovations in the marketplace in order to stay ahead of the curve and provide you with the best solution before anyone else.

Why should you enter the Digital Signage Installation market?

The benefits of digital signage are undeniable.

Tremendous Growth Opportunity for You

Additional Revenue

Digital Signage solutions offer systems integrators and AV installers an added revenue channel for their pre-existing businesses.

Expanding Market

Advancements in technology have made digital signage solutions easier to use, more reliable, and more affordable than ever before. These combined factors have contributed to its widespread adoption in multiple applications.

Increased Margin

A complete digital signage solution consists of a combination of products that yield high margin. Key components include digital signage software, media players, and displays. Even with the simplest project, higher margin accessories such as mounts and cables are necessary.

Extremely Beneficial for Your Customers

Cost Effective

Eliminating the need to print and distribute static signs each time the message or campaign changes saves on costly printing and distribution fees. Additionally, end users can earn money with their digital signage network by selling advertising space to their suppliers.

Dynamic Tailored Message

Digital signage is instant and offers the ability to change dynamic content immediately for various promotions or particular customers. You'll see sales increase and customer satisfaction rise.

Simple Management

A network managed digital signage system makes it effortless to add, remove and edit content... content the end user probably already has!

Commercial Digital Signage Markets

Digital signage is versatile and can be used in virtually any commercial venue. In recognizing the full potential of digital signage, it has become a crucial aspect of communication for the retail and hospitality markets. Digital screens are now seen in nearly every shop window, airport, hotel, and cruise ship, successfully catching the attention of passersby.



BARS & NIGHTCLUBS can use digital signage systems to display drink specials, create revenue streams through advertisements, easily communicate upcoming events, and provide entertainment with sports games, trivia, or music videos.



STADIUMS & ARENAS can use digital signage networks to enhance communications with visitors about upcoming attractions, provide facility maps, increase concession sales, improve event visibility, and encourage team or performer support.



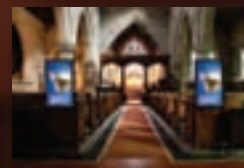
HOTELS & RESORTS can improve communications with guests, display local attractions and entertainment, and communicate meeting room scheduling with digital signage systems.



EDUCATION facilities can use digital signage systems to improve campus communication, develop emergency alert systems, display campus maps, and increase student and staff awareness of campus news, information and policies.



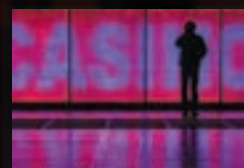
TRANSPORTATION can use digital signage to improve communications with visitors while reducing perceived wait times, provide local and facility maps, and engage and inform customers with news, weather, and emergency broadcasts.



HOUSES OF WORSHIP can use digital signage solutions to communicate messages more effectively to congregations and broadcast sermons, event schedules, inspirational messages and song lyrics while increasing message recall.



MALLS AND RETAIL can boost sales, improve communications with customers, reduce perceived wait times, display new in-store promotions, and better educate customers on product benefits and value.




CASINOS can use digital signage systems to promote games, communicate show times, advertise restaurants and drink specials, announce big winners and free staff to better serve visitors' needs.



RESTAURANTS can use digital signage networks to display menu items and daily specials, provide entertainment, improve communications with patrons and realize new revenue streams through advertising.





Time to get started with some seriously simple Digital Signage.

It's as easy as one, two, three... four!

It's easy to create, upload, distribute, and manage your message to meet your digital signage needs for any application. The components of a typical digital signage installation include dynamic media, content management software, one or more media players, and one or more display screens.

Step 1: Media

Start with the message you want to deliver. With digital signage your content can be anything, including text, images, animations, video, audio, and interactivity. You can use pre-existing media or use a software solution to create an effective message. You will have dynamic, engaging messages in no time.

Step 2: Software

Content Management Software provides a range of different ways to schedule and playback content from one location. Simply download the software to your PC to organize and direct how and when your content will play. PC based systems allow for greater flexibility and lower installation cost.

Step 3: Player

Now that you have your content created and scheduled, let's work on getting it distributed to your audience. Content is played to the displays of a digital signage network via a Media Player. Just upload your completed content to the media player for distribution.

Step 4: Display

The most difficult part here is determining the type, location, and orientation of your display, touch panel, or video wall. Once your display is installed just distribute the content you created through your media player, and Voila! Your personalized, interactive, and timely message is being seen by your intended audience. It's that simple!

Why buy Digital Signage from IAVI?

IAVI will give you competitive pricing on the latest technology with advice from a Digital Signage Expert!

Certified Staff Available

IAVI understands the steps needed to get started in Digital Signage, from recognizing the appropriate application for specific market segments to determining which products and software work best for your application.

There are many components and decisions that go into developing a digital signage system. IAVI understands these questions and our certified digital signage expert is available to make navigating through them much easier.

Innovative Product Offering

IAVI offers the most affordable and cost effective solutions tailored to your specific business needs. We supply the solutions that allow you to control content on a single display or a full arena of displays with the newest, most innovative digital signage products and software from world leading manufacturers.

Reliable Resource

IAVI offers ServicePak Extended Warranties for flat panels, providing additional coverage for up to five years after the manufacturer's warranty has expired. This program has been custom designed to meet the unique needs of professional installation companies and resellers.

Competitive Approach

Through strong partnerships with quality manufacturers IAVI is able to offer many cost saving promotions and programs. IAVI recognizes that lower pricing helps our customers stay competitive, and we're committed to helping you win the business. Our industry expertise and skills will help you maximize profits and expand business.

Call today to speak with IAVI's certified digital signage expert! You will discover how simple and effective it is to set up a digital signage network and watch as your margin grows!



QUALITY

INNOVATION

VALUE



CONTROL ROOM SOLUTIONS



LED SIGNAGE SOLUTIONS



VIDEO WALL SOLUTIONS

Across the globe, Delta Electronics is known for providing high quality innovative products in a variety of industries for over four decades. Now, Delta Products is proud to introduce its own brand of high performance display and video management products.

From its revolutionary video distribution and video wall control management solutions, to its complete lineup of LED signage solutions, to its multiple video wall display options, Delta prides itself in providing our customers with an unparalleled offering, providing quality display solutions to fit nearly any project.



www.deltadisplays.com



S-10 Outdoor Series

Outdoor LED Video Display

The S-10 is a high resolution LED video display suitable for outdoor digital signage applications with long viewing distances. With its 6000 Nits light output, unique "light-trap" shader and IP66 rating, the S-10 is ideal for all outdoor applications delivering high impact, full-color content – even on the sunniest days.

With its advanced 16-bit color processing, the S-10 delivers sharp, rich, vibrant content with exceptional color depth and grayscales. Delta's proprietary Dot Correction system also ensures perfect color uniformity across the entire display – both at the start and throughout the entire life of the display.

Brilliant clear images – even on the sunniest of days the S-10 features a unique "light trap" shader which effectively traps the light as it falls onto the front of the display. This ensures the display does not act like a large mirror, and deep black levels are obtained even in direct sunlight. When combined with its extremely high 6,000 Nits light output, an exceptional contrast ratio of 2500:1 is achieved.

With its advanced 16-bit color processing (281 trillion colors), the display delivers sharp, vibrant content with exceptional color depth and intensity. Delta's proprietary Dot Correction system automatically adjusts the brightness and color tolerance of each individual pixel ensuring perfect color uniformity – both at the start and throughout the entire life of the display.

Careful selection of efficient components combined with advanced electronic design significantly increase the energy efficiency of the display. While being good for the environment, this smart design also extends the lifetime of the LEDs and lowers the total cost of ownership. As with all of Delta's LED displays, the S-10 has been designed for lowest-cost manufacturing. This ensures you will receive the right performance at the right price.

KEY FEATURES

- Wide viewing angles and perfect color mixing
- Robust design and IP66 rating for harsh outdoor environments
- Dot correction calibration for both pixel-to-pixel and tile-to-tile color matching
- High reliability ensures 24/7 operation
- 6,000 cd/m² brightness and 2500:1 contrast ratio
- Sharp, rich video images with superb color depth & uniformity
- Low power consumption minimizes impact on environment
- Front and rear service access enabling technicians to remove and replace any tile with ease.



VIDEO WALL DISPLAY SOLUTIONS

Available in 50", 67", 70", 72" & 80"



Delta offers an extensive product portfolio with over twenty two "off-the-shelf" products suited to every application and every type of installation. Delta's cubes are available in a range of resolutions including XGA and SXGA+. And for more demanding applications where HD video is a requirement, Delta also offers native full HD resolution. Cubes are specially designed to be tiled together to form screens of extremely high resolutions.

Selection of the right screen is critical to maintaining a good display over time. The standard screen used on all Delta cubes is the Cross Prism Screen (XPS) which offers unsurpassed contrast, wide viewing angles and superb centre-to-corner brightness uniformity. The advanced screen design incorporates a Fresnel lens and two crossed prism Lenticular lenses ensuring maximum brightness while eliminating the glare. The screens feature a unique glass back to prevent bulging and are extremely tolerant to high ambient light making them ideal for control room environments.

The projection engines used in all Delta rear projection video walls are powered by DLP technology. Generating extraordinary image quality with incredible color depth and contrast, DLP technology brings video images to life and enables detailed data to be read with ease – extremely important factors in a control room environment.

Most Delta video walls are available with a front access option. With a unique motorized screen which lifts up from the front, there is no longer need for rear access maintenance, making installation in compact rooms possible.

KEY FEATURES

- Over 22 products to choose from
- Near-seamless displays
- DLP Technology
- No lamp changes & wider color gamut with LED-illumination
- Six-axis adjustment base for pixel-perfect alignment
- Advanced screen design
- Front access saves you space
- Unique color sensor design
- Available in 50", 67", 70", 72" & 80"



DISTRIBUTIVE VISION CONTROL SYSTEM

DVCS

Delta's Distributive Vision Control System (DVCS) is one of the world's most advanced control systems designed specifically for control room visual display systems. Combining the latest advances in Digital Signal Processing (DSP) technology with recent improvements in video compression rates, the Delta DVCS enables customers to capture, distribute, control and display high resolution HD video signals over an IP network – reliably and cost effectively.



The Delta DVCS incorporates state-of-the-art DVCS input processors which capture RGB and Video signals from a range of input sources including computers and video cameras. The signals are transmitted over the IP network via a 100/1000M Ethernet switch using standard CAT5 cable – and then processed ready for display by DVCS output display processors.

All RGB and video signals are captured, processed, transmitted and displayed in digital format. This ensures all signal noise is completely avoided – ensuring no degradation of signal quality when signals are transmitted over long distances.

Both input and output processors have dedicated bandwidth within the DVCS network ensuring data transmission between the processors is completely independent of other communicating processors.

The Delta DVCS incorporates a number of advanced processing technologies including state-of-the-art signal capturing, motion adaptive de-interlacing, high quality image scaling, 3D noise reduction color dithering and IP-stream transmission. These technologies combine to deliver exceptional video image quality on the control room display – around the clock, day after day.

The DVCS processors capture video signals at full resolution, frame rate and color depth. Format de-interlacing, scaling, noise reduction and color space conversion are then performed automatically by the system. With no signal degradation over long distance transmission, the control room operator can expect a perfect video image regardless of input signal or display device.

LG makes it simple...

with a breadth of digital signage solutions.



LG Video Wall

M-Series Large Format LCD Displays

Stretch Screens

Touchscreen Displays

EzSign TV

CRN
2011
YEAR
2011

2011
WINNER

LG has a breadth of digital signage solutions that can help grow your sales while enhancing customer experience. Call 1.800.897.8788 or email us at info@LGsolutions.com to find out how LG digital signage solutions can help your business needs.

EzSign TV - award winning digital signage/TV that can entertain while maximizing the impact of your message to your customers.

M-series Large Displays - designed for 24/7 operation and come with IPS panels that have an incredible 178/178 viewing angle.

Touchscreen Displays - perfect for public spaces, help your customers navigate their way around with dynamic wayfinding displays.

Stretch Screens - unique, versatile displays that can be installed in places with limited space and deliver powerful messaging.

Direct LED Video Wall Solution - more energy efficient than video walls that use conventional LCD or plasma displays.



EzSign TV Signage Solution



What is EzSign TV?

LG EzSign TV is a television that can also be used as digital signage. You can create and run your own messages on the screen in the form of a billboard while showing Live TV programming. Advertisements, information and broadcast content can be arranged on the same screen to attract attention and deliver specific messages to your customers.

Is EzSign TV more cost effective compared to other Digital Signage products or solutions?

Yes, because you do not need to purchase the expensive software for creating your own content or the expensive media player to run the content you created. You also do not need to hire an expert to setup the content delivery system. Basically, all you really need is your own computer to create the content and a USB flash memory stick to store, transfer them, and deliver specific messages to your customers.

Is it really that easy?

You can easily create your own signage content using the free EzSign TV software and your computer. There are many free templates that are available for you to use. Choose the template that you want to use and add your own messages to that template. Save the file and transfer it to the EzSign TV using a USB flash memory stick to run it. It is that easy.

What is the main difference between the EzSign TV and consumer TVs?

The EzSign TV has special functions like USB Cloning, Public Display Mode, and Digital Signage Capability which cannot be found in consumer TVs. In addition, it comes with a 2-year limited warranty while typical consumer TVs come with 1-year limited warranty.



EzSign Series Commercial Widescreen TV Signage Solution

The product of the year winner from CRN and the Best Award winner from the Commercial Integrator magazine for digital signage hardware, the LG EzSign TV is an innovation in digital signage that can entertain while maximizing the impact of your message. Create your own signage content by using your PC and the free EzSign software. Transfer that content by using a USB flash drive and plug it in to the EzSign TV to run content in the form of a billboard - no additional hardware is needed. Advertisement, information, and a live television broadcast can be arranged on the same screen to attract attention and deliver specific messaging to your customers.

LG is committed to improving product development, manufacturing and usage to meet the demand for environmentally friendlier products. Our LV355B televisions have technologies to reduce power consumption and in return increase cost savings per room. We've also placed limits in the amounts of harmful materials used in these televisions.

COST EFFECTIVE No need to buy a media player - Create your own signage content by using your PC and the free EzSign TV software. Transfer that content by using a USB flash drive and plug it in to the EzSign TV to run it.

CUSTOMIZED TO YOUR NEEDS Signage content can be customized for your business - The LG EzSign TV allows you to create your own signage content and make revisions on the fly.

FAST AND EASY Edit content quickly and easily - Select one of the pre-made templates. Add your images and text to it. It's that simple.

VARIETY Choose from a broad range of template designs - The LG EzSign TV gives you the power to choose and change according to your needs.

SPECS FOR THE 55" 55LV355B

RESOLUTION	Full HD 1080p (1920 x 1080)
DISPLAY SIZE	55" (54.6" measured diagonally)
BRIGHTNESS	400 cd/m ²
CONTRAST RATIO	2,000,000:1 Dynamic
DISPLAY TECH	LED
WEIGHT	56.2 lbs (with Stand)
LIFESPAN	30,000 hrs
WARRANTY	2-Year Limited Warranty
SPECIAL FEATURES	Pro:Centric™ ST, Energy Star 5.3, RoHS Compliant, Real Cinema™, Clear Voice II, USB Cloning, XD ENGINE™, Invisible Speaker System, Built-In ATSC/NTSC/QAM Clear Filter, Public Display Settings, Digital Signage Function with Free Software



*Cost Effective. Simple.
Highly Effective.*



LG EzSign TV (LED type)

- 55LV355B - 55" class (54.6" measured diagonally) (EOL Q3 '12)
- 47LV355B - 47" class (47.0" measured diagonally) (EOL Q3 '12)
- 55LS460E - 55" class (54.6" measured diagonally) (ATS Q3 '12)
- 47LT560E - 47" class (46.9" measured diagonally) (ATS Q3 '12)
- 42LT560E - 42" class (42.0 measured diagonally)
- 37LT560E - 37" class (36.6 measured diagonally)
- 32LT560E - 32" class (31.7 measured diagonally) (ATS Q3 '12)

LG EzSign TV (LCD type)

- 47LD452B - 47" class (47.0" measured diagonally)
- 42LD452B - 42" class (42.0" measured diagonally)
- 37LD452B - 37" class (37.0" measured diagonally)
- 32LD452B - 32" class (31.5" measured diagonally)

LG 65VS10

65" Full HD LCD Monitor



Create a visual spectacle on an impressive scale with the 65VS10 large format LCD monitor. The 65VS10 is manufactured at the highest quality level and is designed for 24/7 continuous operation. Digital signage such as advertisements, menu boards, financial information, or flight information is rendered with the striking brilliance of full HD 1080p resolution. With landscape, portrait and tile mode matrixing capabilities, the 65VS10 adapts to your signage needs.

- 65" Display (64.5" measured diagonally)
- Full HD (1920 x 1080)
- 700 cd/m²
- 10,000:1 Dynamic Contrast
- 114.6 lbs
- 3-Year Parts & Labor Warranty
- Commercial Grade - Designed for 24/7 continuous operation
- Split Zoom
- Bezel Width: 49mm
- Self Video Wall up to 5x5 matrix - adjusts for bezel width
- Temperature and Lamp Fault Sensor

OPTIONAL SPEAKERS (SP0000K) - SOLD SEPARATELY



LG 60PV450C

60" Full HD Plasma TV



The LG 60PV450C Full HD 1080p plasma television is designed for entertainment solutions for a variety of vertical markets. Commercial features include public display settings, USB cloning capability and an RS-232C port which helps reduce installation time and maintenance costs. Its TruSlim bezel trims unnecessary bulk and focuses the attention to the HD screen. EcoSmart™ energy savings allow for consumption level adjustments to reduce energy usage. With a 3,000,000:1 Dynamic Contrast Ratio, 600 Hz Sub-Field Driving and a Dual XD Engine®, the 60PV450C delivers a superior television viewing experience.

- 60" Display
- Full HD (1920 x 1080)
- 1,500 cd/m²
- 3,000,000:1 Dynamic Contrast
- 94 lbs (with Stand)
- 2-Year Parts & Labor Warranty
- Public Display Settings (Cloning Capable)
- 3 Mode Power Saving Levels - Manual
- Narrow Bezel (Top & Sides)
- Slim Depth
- Invisible Speaker System
- Built-in Tuner
- USB 2.0 Media Host
- 3 HDMI™ Inputs With HDCP



LG 55LD520C

55" Full HD LCD TV



For commercial television solutions, the 55LD520C LCD TV delivers movies, sports and shows in the brilliance and clarity of full 1080p HD enhanced by a 1920 x 1080 display resolution and a 70,000:1 dynamic contrast ratio. Commercial features include public display settings, discrete IR codes and an RS-232C port which helps reduce installation time and maintenance costs. The 55LD520C also integrates Intelligent Sensor which helps conserve energy.

- 55" Display (54.6" measured diagonally)
- Full HD (1920 x 1080)
- 70,000:1 Dynamic Contrast
- 80.2 lbs (with Stand)
- 2-Year Parts & Labor Warranty
- Public Display Settings - Cloning Capable
- Dynamic Power Savings and Static Power Savings
- Invisible Speaker System with hidden speaker grilles
- LG's Exclusive XD Engine®
- USB 2.0 Media Host for photos and music
- Clear Voice II
- Real Cinema®



LG 50PA450C

50" Widescreen Plasma TV



The LG 50PA450C Plasma television is designed for entertainment solutions for a variety of vertical markets. Commercial features include public display settings, USB cloning capability and an RS-232C port which helps reduce installation time and maintenance costs. Its TruSlim bezel trims unnecessary bulk and focuses the attention to the HD screen. EcoSmart™ energy savings allow for consumption level adjustments to reduce energy usage. With a 3,000,000:1 Dynamic Contrast Ratio, 600 Hz Sub-Field Driving and a Dual XD Engine®, the 50PA450C delivers a superior television viewing experience.

- 50" Display
- XGA (1024 x 768)
- 1,500 cd/m²
- 3,000,000:1 Dynamic Contrast
- 65.5 lbs (with Stand)
- 2-Year Parts & Labor Warranty
- Public Display Settings (Cloning Capable)
- 3 Mode Power Saving Levels - Manual
- Narrow Bezel (Top & Sides)
- Slim Depth
- Invisible Speaker System
- Built-in Tuner
- USB 2.0 Media Host
- 3 HDMI™ Inputs with HDCP



LG 26LT560C

26" Widescreen LCD TV



For commercial television solutions, the 26LT560C LCD TV with LED Backlit delivers movies, sports, and shows in the brilliance and clarity of HD enhanced by a 1366 x 768 display resolution. Commercial features include public display settings, USB cloning capability and an RS-232C port which helps reduce installation time and maintenance costs. The 26LT560C integrates EcoSmart™ energy saving levels which helps conserve energy.

- 26" Display
- WXGA (1366 x 768)
- 350 cd/m²
- 1,000,000:1 Dynamic Contrast
- 11.9 lbs (with Stand)
- 2-Year Parts & Labor Warranty
- Public Display Settings - Cloning Capable
- Built-in ATSC/NTSC/QAM Clear Tuner
- Invisible Speaker System
- LG's Exclusive XS Engine®
- USB 2.0 Media Host For Photos And Music
- RJ-45 & RS-232C Control

22LT560C 22"
32LT560C 32"



LG 42PA450C

42" Widescreen Plasma TV



The LG 42PA450C Plasma television is designed for entertainment solutions for a variety of vertical markets. Commercial features include public display settings, USB cloning capability and an RS-232C port which helps reduce installation time and maintenance costs. Its TruSlim bezel trims unnecessary bulk and focuses the attention to the HD screen. EcoSmart™ energy savings allow for consumption level adjustments to reduce energy usage. With a 3,000,000:1 Dynamic Contrast Ratio, 600 Hz Sub-Field Driving and a Dual XD Engine®, the 42PA450C delivers a superior television viewing experience.

- 42" Display
- XGA (1024 x 768)
- 1,500 cd/m²
- 3,000,000:1 Dynamic Contrast
- 47.4 lbs (with Stand)
- 2-Year Parts & Labor Warranty
- Public Display Settings (Cloning Capable)
- 3 Mode Power Saving Levels - Manual
- Narrow Bezel (Top & Sides)
- Slim Depth
- Invisible Speaker System
- Built-in Tuner
- USB 2.0 Media Host
- 3 HDMI™ Inputs with HDCP



An Easy Solution for Video Conferencing

LG's premium Video Conferencing Systems break away from the mold of complicated interactive communications to deliver a total solution offering. Everything is integrated into a single system. From a compact design to a full complement of features and technologies, the LG VCS combines HD video with a high quality audio system to deliver a vivid conferencing system like no other.

The LG Video Conferencing System is geared towards commercial applications and can be applied to a variety of verticals.



Focusing on the needs of the customer, the LG VCS provides an intuitive interface as well as easy to install hardware. Simply plug and play and you'll be up and running in no time. Its broad compatibility with external media devices and software applications also enables users to connect different types of displays such as televisions, desktop monitors, and projectors. IP technologies work together to optimize the video conferencing environment to transmit video and audio that is not only clear and sharp, but also secure.

Offices Save time and travel costs. Multiple locations can hold conference meetings while sharing and reviewing presentations and documents.

Schools Inspire and engage. Students can be a part of in-class field trips without stepping out of the classroom and special guest educators can present multimedia content with their lessons.

Government Secured conferencing. Technologies such as H.235 (AES) encryption, TLS/SRTP, and IEEE 802.1x support provides a high level of security for conferencing sessions that require protected connections between parties.

LG RVF1000 Video Conference System

Bring the Business World Closer Together

- Easy to Install, Portable In-Room Video Conferencing
- IP-based 1-to-1 Video Conferencing System
- H.323, SIP Communications
- HD Camera, Codec, RCU configuration
- 1280 x 720p, 30fps HD camera
- H.263, H.264(AVC) video standard
- G.711 / 2 & G.728 / 9 audio standard
- Content sharing with single streaming
- Dynamic bandwidth allocation
- Lost packet recovery
- High quality carrying case (included)



LG V5500 Multi Video Conference System

Upgrade your Business with Multipoint Video Conference System

Content Sharing: Dual Stream

The Content Sharing feature with dual streaming allows you to synchronize people and content screen simultaneously with far side. Content sharing feature during streaming increases communication and productivity.

Low Bandwidth Consumption

V5500/V5000 needs only half of the bandwidth required in other video conference systems. V5500/V5000 delivers high quality video/sounds with low bandwidth. Low bandwidth enables customers to minimize maintenance costs.

Silent Camera Movement

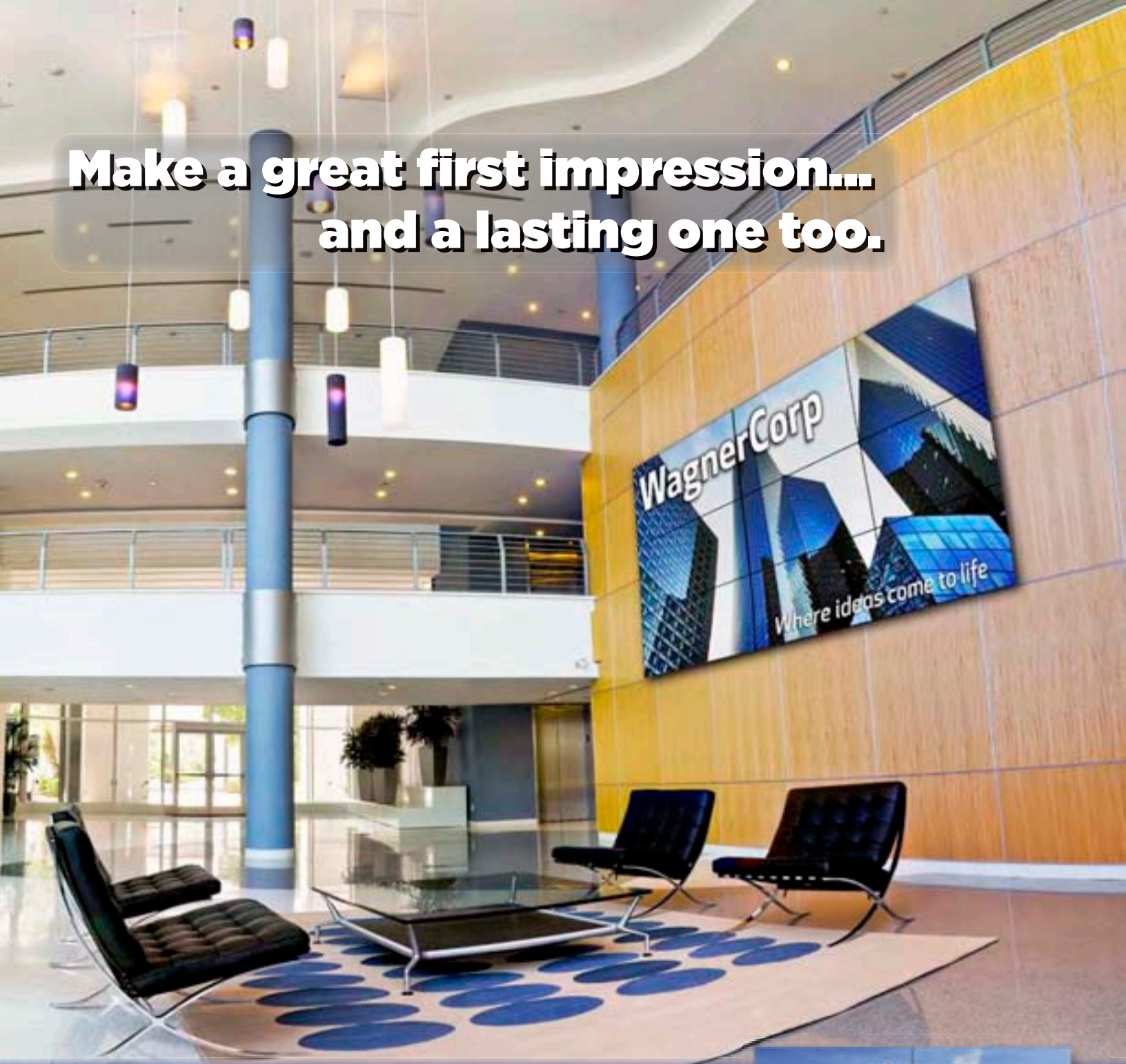
Silent camera movement at below 35 dB. Cameras of V5500/V5000 move smoothly and quietly, not disturbing business communications

All-Integrated Remote Control

One Remote Control can access V5500/V5000 and LG TV simultaneously for easy use and for increased synergy effects between LG products.



**Make a great first impression...
and a lasting one too.**



NEC video walls, featuring up to 100 large-screen displays, can transform not only your environment but your company's image. With professional-grade displays that tout ultra-thin bezels, slim profiles, extensive control and inputs, color and brightness uniformity across each screen, and built-in expansion slots for PCs and other components, these tiled solutions deliver near-seamless images that turn heads.



NEC

NEC E Series

Large Screen LCD Displays



Simplified control meets feature-rich affordability. The NEC E Series, featuring the 32" E322, 42" E422, 46" E462 and 55" E552, brings corporate and digital signage users the professional performance and looks of the latest large-screen displays in a flexible and affordable solution.

These models deliver value driven options for educational institutions, lobbies, boardrooms and small conference rooms, while addressing the display needs of digital signage users in retail stores, waiting rooms and health clubs.

- High-definition resolution (up to 1920 x 1080) provides stunning detail for video and broadcast applications
- High static contrast ratio (up to 5000:1) helps create eye-catching images and crisp, easy-to-read text
- Integrated USB media player allows for effortless playback of photos and music
- Low power consumption contributes to a lower total cost of ownership
- Extensive connectivity with multiple HDMI input terminals (supports PC resolutions), analog RGB, component and composite video

E322	32" / WXGA (1366 x 768)
E422	42" / Full HD (1920 x 1080)
E462	46" / Full HD (1920 x 1080)
E552	55" / Full HD (1920 x 1080)



NEC X Series

Ultra-Narrow Pro Large Screen LCD Displays



Transform your video walls with the immaculate high definition of the 46" NEC X463UN and 55" X551UN. Direct LED backlighting attributes to reduced power consumption and improved edge-to-edge brightness uniformity, while a mere 5.5mm (X551UN) separates active screen areas between neighboring displays to ensure a smooth transition from screen-to-screen in video wall matrices.

This display is ideal for digital signage, boardrooms, entrance lobbies and broadcast applications, and can be deployed in video wall applications up to 10 x 10 in size utilizing integrated TileMatrix™ technology.

- LED direct backlighting source allows even distribution of light across the panel, resulting in improved uniformity from bezel-to-bezel
- Professional-grade LCD panel and components meet even the most formidable digital signage industry requirements, allowing for 24/7 run times
- 1920 x 1080 full HD resolution allows for crisper, more lifelike imaging
- Ground-breaking ultra-narrow bezel as low as 5.5mm (screen-to-screen) creates a nearly seamless video wall
- TileMatrix technology enables video walls (up to 100 displays in a 10x10 matrix)
- Digital loop through includes DVI-D (with HDCP) and DisplayPort

X463UN	46" / Full HD (1920 x 1080)
X551UN	55" / Full HD (1920 x 1080)



NEC V Series

High Performance Commercial LCD Displays



Maximize your messaging without having to maximize your budget. The NEC V Series, featuring the 32" V321-2, 42" V422, 46" V462, 55" V551 and 65" V651, provides a cost-conscious solution for your digital signage applications. Their high-performance panel and abundance of advanced technologies promote extended use, while an adaptable mechanical design make these displays ideal for a wide variety of environments. With the V Series, you can create dynamic digital signage solutions in virtually any space and achieve your business goals. Pluggable Specification (OPS), the first industry-wide standardization in option slots, simplifying installation, use and maintenance of digital signage.

- Expanded connectivity with built-in expansion slot allows for seamless integration of current and future NEC accessories and third-party components
- Commercial-grade design leads to extended use for various applications
- Integrated 10W speakers provide stereo audio for those applications requiring sound
- TileMatrix™ allows you to create video walls in up to 10 x 10 matrices
- Public-display-grade panel protects against permanent image retention
- Protective-glass and touch-panel ready design provide opportunities for module protection and interactivity

V321-2	32" / WXGA (1366 x 768)
V422	42" / Full HD (1920 x 1080)
V551	55" / Full HD (1920 x 1080)
V651	65" / Full HD (1920 x 1080)



NEC P Series

Professional Large Screen LCD Displays



Expand your messaging options with superior screen performance. The NEC P Series, featuring the 40" P402, 46" P462, 55" P552 and 70" P702, provides a first-class solution for your digital signage applications. Its high contrast, industrial-strength design and Enhanced Digital Signage Technology Suite (DSTS), which boasts more than 30 advanced features, make these displays ideal for 24/7 operation in even the harshest environments. The built-in expansion slot future-proofs your display investment, allowing for seamless integration of NEC and third-party components. Plus, the capability to easily integrate touchscreen technology or protective glass opens these models up to even more applications, including wayfinding and high-traffic areas.

- Integrated 10W Speakers
- Ops & Current Slot Support
- Digital Signage Technology Suite
- Integrated Thermal Protection
- Sealed Panel Design
- Enhanced Video Wall Capabilities
- Built-In Expansion Slot
- Extensive Control, Diagnostics & Communication
- Real-Time Clock/Round-The-Clock Scheduling
- Cablecomp+™ Technology
- Built-In Tuner (-Avt Models)

P402	40" / Full HD (1920 x 1080)
P462	46" / Full HD (1920 x 1080)
P552	55" / Full HD (1920 x 1080)
P702	70" / Full HD (1920 x 1080)



NEC X461S and X551S

LED Super Slim Pro Large Screen Display



A new class of public displays. The 46" NEC X461S and the 55" X551S are built to the highest standards and loaded with state-of-the-art innovation. LED edge lighting enables a mere 1.7" unit depth, creating installation opportunities in even the tightest of spaces. Equipped with a professional grade panel, these models deliver immaculate full HD image quality while operating 24/7. The X461S and X551S are also the first in NEC's lineup to support Intel's Open Pluggable Specification (OPS), the first industry-wide standardization in option slots, simplifying installation, use and maintenance of digital signage.

- Professional-grade LCD panel and components meet even the most formidable digital signage industry requirements
- 1920 x 1080 FHD native resolution in true 16:9 aspect ratio, maximum brightness of 600 cd/m2 and typical contrast ratio of up to 4000:1
- Lightweight, super-slim design makes installations easier
- Built in, standardized expansion slot allows for seamless integration of NEC/ third-party components, simplifying installations
- TileMatrix™ technology enables video walls (up to 100 displays in 10x10 matrix)
- DisplayPort connection adds to the already robust terminal panel
- Integrated DVI-D Out connection allows for simple digital daisy chain

X461S	46" / Full HD (1920 x 1080)
X551S	55" / Full HD (1920 x 1080)



NEC LCD8205

82" Professional Large-Screen LCD Display



Enhance your image in a big way with the 82" NEC LCD8205, a professional-grade display that delivers big-screen performance and capabilities for your corporate and digital signage applications. Its sheer size (landscape orientation provides an active screen area of almost six feet in width and more than three feet in height) captures the attention of audiences both near and far.

And with full high-definition resolution, lightning-quick response times, the widest possible viewing angles and high brightness/contrast, your images and messaging keep all eyes on the screen. This level of performance makes this display ideal for corporate lobbies and boardrooms, digital signage applications and trade shows/events, leaving positive, lasting impressions.

- Full HD (1920 x 1080) Resolution
- TileMatrix™ allows you to create video walls up to 4 x 4
- Comprehensive input panel connects you to the latest peripherals, including HDMI, DVI-I, Composite RCA (2), S-Video, Component BNC, Audio (4)
- Protective-glass and touch-panel-ready design provides opportunities for module protection and interactivity
- Multiple picture modes adjust appearance for optimal viewing experience
- Optional white glove service ensures hassle-free site audit, equipment assessment, delivery and installation
- Landscape and portrait capability allows for distortion-free display





* OPTIONAL TRANSMITTER BOX AVAILABLE
 * OPTIONAL RECEIVER BOX AVAILABLE
 * ALSO AVAILABLE WITH A MEDIA PLAYER: L551-ID320

Features Designed for Your Application



MITSUBISHI ELECTRIC

PRESENTATION PRODUCTS

LDT551V

55" High Definition Widescreen LCD Monitor

Amazing Entertainment & Digital Signage

The LDT551V High Definition widescreen LCD monitor brings Full HD 1080p to our line in a bright 55" digital display with native 1920 x 1080 resolution. Use this display monitor to build amazing entertainment and digital signage displays. These monitors are also ideal for message boards, video conferencing, classroom presentations, retail kiosks, or gaming displays, or to enhance your facilities with everything from advertising to welcome messages to vital, up-to-the-minute news or human resources information.

Versatility is engineered into every model: Inputs range from DVI-D, D-Sub 15 and HDMI. The LDT551V features a built-in CAT5 receiver and comes with an accompanying transmitter box, and even utilizes Mitsubishi's own networking software for remote management.

- Built-in CAT5 Receiver
- **Built-in Scheduling Feature** Program the monitor to turn on/off through its built-in 24/7 scheduling function
- **Power Save** Increased protection against image retention and image persistence

RESOLUTION	Full HD 1080p (1920 x 1080)
DISPLAY SIZE	46"
BRIGHTNESS	500 cd/m ²
CONTRAST RATIO	5,000:1
DISPLAY TECH	LCD
WEIGHT	88 lbs
BACKLIGHT	50,000 hrs
WARRANTY	3 Year Parts and Labor

SPECIAL FEATURES Built-in CAT5 Receiver, Built-in Scheduling Feature, Power Save, Energy Star Compliant, Closed Caption, Picture-in-Picture, VESA Compliant

BUILT-IN MEDIA PLAYERS

by Idea

Full Equipped & Ready to Go

Many Mitsubishi flat panels are already equipped with a built-in media player making digital signage a simplistic and dynamic solution to any owner. This single piece of equipment provides convenience flexible enough to operate for multiple digital signage providers, offering a great way to entertain any audience as well. This feature also supports various media formats and is capable of generating content automatically, while communicating it to the target market in real time.

In addition, Mitsubishi's versatile flat panels deliver a multitude of solutions in restaurants, campus communications at universities, businesses and signage updates for airports and shopping areas. The combined functionality of Mitsubishi's flat panel displays with media player allows for a cost savings for you and your customer in both product and maintenance.

MITSUBISHI ELECTRIC

PRESENTATION PRODUCTS

LDT461V2

46" Full HD LCD Display



The LDT461V2 High Definition widescreen LCD monitor brings full HD 1080p to our line in a bright 46" digital display with native 1920 x 1080 resolution. Use this display monitor to build amazing entertainment and digital signage displays in individual or tiled (video wall) configurations. These monitors are also ideal for message boards, video conferencing, classroom presentations, retail kiosks, or gaming displays, or to enhance your facilities with welcome messages, company promotions, or human resources information.

This 46" monitor features an improved 4000:1 contrast ratio, 500 cd/m² brightness, and full HD 1080p resolution. Mitsubishi's fast response time brings any application rich, vibrant and realistic images and smooth 1920 x 1080 video display viewable at 178° horizontal & vertical. For long-term performance, this full HD 1080p monitor. Mitsubishi recognizes your need for a professional grade widescreen LCD monitor, while many competitors offer only TV Consumer grade LCD panels.

*Ideal for
message boards,
video conferencing,
classroom presentations,
retail kiosks & gaming
displays*



MITSUBISHI ELECTRIC

PRESENTATION PRODUCTS

MDT652S

65" Full HD Widescreen LCD Monitor



The MDT652S High Definition widescreen LCD monitor brings full HD 1080p to our line in a bright 65" digital display with native 1920 x 1080 resolution. Use this display monitor to build amazing entertainment and digital signage displays. These monitors are also ideal for message boards, video conferencing, classroom presentations, retail kiosks, or gaming displays, or to enhance your facilities with welcome messages, company promotions, or human resources information.

The MDT652S monitor answers your need for digital signage, message boards, video conferencing, retail kiosks, or broadcast displays to enhance your facilities with everything from advertising to welcome messages to vital, up-to-the-minute news and information. And versatility is engineered into every one: Inputs range from DVI-D, D-Sub 15 and HDMI. The MDT652S features a built-in CAT5 receiver and comes with an accompanying transmitter box, and even utilizes Mitsubishi's own networking software for remote management. The MDT651S LCD display monitor also features both front and rear ambient light sensors for the ultimate in installation flexibility.



MITSUBISHI ELECTRIC

PRESENTATION PRODUCTS

LDT422V

42" LCD Public Display Monitor



Engineered for rapid video & data response for digital display optimized for video or messaging content. Now with a 42" viewable screen and native 1920x1080 resolution you can engage your audience more effectively than ever with video and data display. In your retail locations, corporate board rooms, classrooms, or information kiosks, the LDT422V display monitor gives you the features and performance you need to stand out in the crowd.

- Rapid Video Response Time - Enjoyment of artifact free graphics and video in full motion environments
- Motion "Shift" Function - Increased protection against image retention and image persistence
- Power Save - Detects when input signal is no longer active and will automate the monitor to a Power Save state to help save the life of the LCD panel
- High Contrast Ratio - 1,300:1 - For an incredible visual detail in both data and video display, S-Gamma Control
- Scheduling - Display during the hours you want - power saving. Flexible control over content
- Tile Matrix - Create data wall / tile display with multiple LCD Monitors
- Picture-in-Picture - Show two active input displays simultaneously
- Panel Lock Out - Prevent unauthorized tampering of panel controls





Large enough to display a life size image of a person



Panasonic Professional Plasma Line

ideas for life 85", 65", 60", 50", & 42" Displays

Panasonic's Professional line of Plasma displays features the stunning 85" high definition TH-85PF12U that delivers elegance and superb image quality for any installation - whether it's in a boardroom, classroom, hotel, restaurant, or digital signage environment - while providing full integration in an automated environment.

This new 12-Series HD plasma display - the TH-85PF12U is the first of Panasonic's professional displays to incorporate their NeoPDP™ technology, enabling the display to be larger, thinner, lighter, and more energy efficient. Approximately the size of four 42" displays, the TH-85PF12U is only 3.9" (99mm) thick and weighs approximately 260.2 lbs. (118 kg). Power requirement for this unit is 120V AC.

Panasonic professional plasmas are known for their world class image quality and the TH-85PF12U will be no exception. The unit will have an improved contrast ratio of 40,000:1 (2,000,000:1 dynamic) and the ability to display the equivalent of 6,144 steps of gradation, providing deep black levels and accurate colors that will give the image a higher level of depth.

SPECS FOR THE 85" TH-85PF12U

RESOLUTION	Full HD (1920 x 1080)
DISPLAY SIZE	85"
DIMENSIONS	79.4" x 47.1" x 3.9"
CONTRAST RATIO	40,000:1 (Typical)
DISPLAY TECH	Plasma
WEIGHT	260.2 lbs
WARRANTY	1 Year Parts & Labor
SPECIAL FEATURES	Optional Touch Panel, Expandable LAN and Custom Plug-in Architecture, NeoPDP™ technology, optional TY-FB10WPV Wireless Presentation Board, 3D Ready

AVAILABLE MODELS

TH-42PF30U	42" / 3D Ready
TH-42PH30U	42"
TH-50PF30U	50" / 3D Ready
TH-50PH30U	50"
TH-60PF30U	60" / 3D Ready
TH-65PF30U	65" / 3D Ready
TH-85PF12U	85"

Panasonic 3D Plasma Line

ideas for life 65" & 85" 3D Plasma Displays

These new 3D Premiere Series Full HD 3D plasma displays — the TH-85VX200 and TH-65VX300U, maintain the Panasonic plasma essentials shared by the VX100 Premiere Series — superior image quality and world-class support — while adding some additional enhancements such as ultra-high-speed drive technology and newly developed short-decay-time phosphors and high-precision Motion Vector Prediction to dramatically reduce the double image that adversely affects 3D image quality. They work together to fill large screens with the ultimate in powerful, lifelike images.

8,192 equivalent steps of gradation (TH-85VX200U) boost detailed expression, making it possible to display FULL HD 3D images while also translating to a remarkably high-level of performance when displaying 2D images as well. The color expression that is achieved by 8,192 equivalent steps of gradation, and the smoothness with which it renders intermediate colors combine to create tonal nuances that have never before been possible.

- Full HD (1920 x 1080) Resolution
- 5,000,000:1 Dynamic Contrast Ratio
- 3D Ready
- Networking and PLink Compatible

TH-65VX300U	65"
TH-85VX200U	85"



Panasonic Professional LCD Line

ideas for life LF25 and LF30 Series Displays

Panasonic Digital Signage Solutions offer a wide range of technologies that enhance your messaging capabilities including hardware, software, installation and support. Included in Panasonic's Professional LCD line are the LF25 Series and LF30 Series.

Along with the Full HD resolution and the wide viewing angle of the IPS panel, the LF25 Series features 500-cd/m2 brightness and 9-ms response. This makes it possible to display crisp, clear images even in bright places, for signage or any other application that requires a bright LCD housed in a stylish yet eco-friendly design.

In addition to the high resolution of Full HD and the wide viewing angle of the IPS panel, the LF30 Series features 700-cd/m2 brightness and 9-ms response. This makes it possible to display crisp, clear images even in bright places, for signage with excellent information transmission performance. The SLOT2.0 function slot on the LF30 Series greatly expands the display's range of applications. It lets you mount an optional function board to suit your application.

- Full HD (1920 x 1080) Resolution
- 50,000 Hour Panel Life
- 1,200:1 Typical Contrast Ratio
- 5 Year Parts & Labor Warranty

TH-42LF25U	42" / 0.72" Bezel	TH-42LF30U	42" / SLOT 2.0 Function / 0.72" Bezel
TH-47LF25U	47" / 0.73" Bezel	TH-47LF30U	47" / SLOT 2.0 Function / 0.73" Bezel



Panasonic Outdoor LCD Line

ideas for life 42" & 47" Weather Resistant Displays

The TH-47LFT30W offers an interactive signage solution for even the brightest of open air applications. A trans-reflective LCD panel is used to produce bright, clear images, and the backlight combines with direct external lighting to enhance visibility. A forced-air cooling system using outside air allows the panel to withstand internal temperature rises caused by sunlight to extend the ambient operating temperature range.

The touch panel enables a wide range of information services. The TH-47LFT30W is standard-equipped with an integrated touch panel that expands its applications in a variety of new ways, including use in interactive signage systems. The electrostatic capacitive touch panel achieves a well balanced performance for touch panel lifetime, response, and resolution. The TH-47LFT30W is dustproof and water resistant equivalent to IP53. This means it is protected from 4 micron dust particles and water spray. To round out the durability of Panasonic semi-outdoor displays, they are built with corrosion resistant aluminum cabinets and impact-resistant tempered glass.

- Full HD (1920 x 1080) Resolution
- 1,500 cd/m² Brightness
- 1,000:1 Typical Contrast Ratio
- 2 Year Parts & Labor Warranty

TH-42LFP30W	42" / IP66 Weather Resistant / 1,000 cd/m²
TH-47LFP30W	47" / IP66 Weather Resistant / 1,000 cd/m²
TH-47LFT30W	47" / IP53 Weather Resistant / Touch Enabled



Panasonic Hospitality LCD Line

ideas for life 32", 37", 42", & 55" Hospitality Displays

Panasonic's hospitality series was designed for easy connection to many external devices while existing devices can be quickly linked via the RS-232C interface. Soundbar-type home theater systems and other high-end audio systems can also be added by digital connection. These stylish matte-black displays come fully-equipped with many functions that not only enhance the viewing experience, but also increase hotel security by including a locking, rotating pedestal stand. With 3 second boot times, users can begin taking advantage of these displays virtually instantly.

- Initial Volume Level - sets sound level when display is turned on
- Maximum Volume Level - limits the sound level that users can access
- Button Lock - limits use of certain buttons on display unit / Input Lock - locks input source in place
- Initial Input - used when you want to display a certain source each time the power is turned on
- Remocon User Level - restricts access to certain buttons on the remote control
- Customizable Welcome Screen - an image can be loaded and displayed when LCD is powered on

TH-32LRU5	32" / WXGA	TH-42LRU5	42" / Full HD
TH-32LRU50	32" / WXGA / Included b-LAN	TH-42LRU50	42" / Full HD / Included b-LAN
TH-37LRU5	37" / WSXGA	TH-55LRU50	55" / Full HD / Included b-LAN / LED
TH-37LRU50	37" / Full HD / Included b-LAN		



INNOVATION #4,928

A Full Line of Ultra-Efficient LED-Backlit LCD Displays

Light by design.
Heavy on performance.



At Samsung we know what your customers demand. That's why our full line of ultra-thin, ultra-light LED-backlit displays support unparalleled AV integrators with ease of installation, efficiency and beauty. From light-usage to mission-critical video walls, our best-in-class displays help lower costs without sacrificing quality. Because at Samsung, it's not just business. It's business, innovated.

Learn more ▶ 1-866-SAM4BIZ | samsung.com/commercialdisplay | [Business. Innovated.](#)

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SAMSUNG FP Series

Commercial LCD Displays



The Samsung FP Series LCD display panels feature up to 1920 x 1080 resolution. They also have 8ms response time and up to 10,000:1 dynamic contrast ratio for impactful motion graphics that exhibit true, natural colors with razor-sharp and easily legible text. Create a professional digital display experience without having to purchase additional distributor or external equipment. Samsung makes it easy with a display port that delivers enhanced connectivity and an improved display interface.

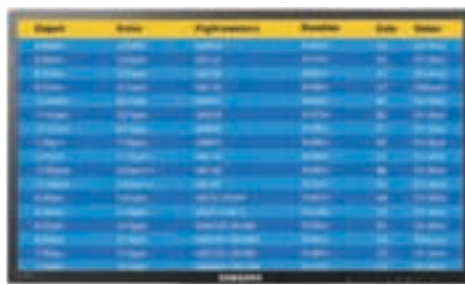
The FP Series can deliver easy content control over multiple monitors by adding an optional Samsung SIM-NT integrated PC module to the expansion slot. Content can be monitored and created with convenience, enabling you to optimize your digital signage for maximum impact. The DisplayPort lets you take advantage of today's high-bandwidth content, enabling you to create a professional and powerfully compelling digital signage solution. Additional connectivity includes VGA, Composite, DVI, HDMI and the RJ-45 LAN for simplified display control over a network.

400FP-3	40"
460FP-3	46"
650FP-2	65"



SAMSUNG DX Series

Commercial LCD Displays



Because dependability is a business virtue worth having, the Samsung DX Series Full HD LCD displays deliver continuous 24/7 operation at a price you can afford. And all with bright, natural colors and crisp, clear text. So you'll always send the right message, whether displaying travel information, announcing a storewide sale or communicating critical information to students on campus.

Innovative Samsung cooling technologies allow your message to be displayed with highly reliable 24/7 continuous operation. Broad connectivity enables flexible content options, including high bandwidth signals through the DisplayPort connection, and an RJ-45 LAN port to simplify monitor control over your network. Built-in 10W stereo speakers complete the multimedia experience without having to purchase or wire external speakers. Add an optional Samsung SIM-NT integrated PC module to the expansion slot for easy content control of multiple monitors via network.

460DX-3	40"
400FX-3	46"
550DX	55"
700DX-2	70"



SAMSUNG MP Series

Commercial LCD Displays



They're always reliable and always affordable. They're the Samsung MP Series (320MP-3 and 320MXn-3) 32" LCD displays. You get outstanding image quality, with smooth motion graphics and crisp, clear text. So you always send the right message, whether displaying flight information for busy travelers or promoting new and exciting styles to fashionable shoppers.

The 320MP-3 and 320MXn-3 displays feature 1366 x 768 high-resolution LCD panels, up to 450 cd/m2 brightness, 8ms response time and 6,000:1 dynamic contrast ratio, for impactful motion graphics full of sharp detail.

Built-in 5W stereo speakers complete the multimedia experience without having to purchase or wire external speakers. Broad connectivity enables flexible content options, including high bandwidth signals through the DisplayPort connection, and an RJ-45 LAN port to simplify monitor control over your network.

- Integrated Speakers
- Integrated PC, MagicInfo™ Software

320MP-3	32"
320MXN-3	32"



SAMSUNG DE Series

Commercial LED Displays

Your message will be as clear at midnight as it is at noon. The Samsung DE Series Commercial LCD displays feature LED backlighting, for brighter, more colorful images. LED also provides cooler operating temperatures for even greater commercial 24/7 reliability. Brightness of 600 cd/m², anti-glare technology and a Samsung-manufactured LCD panel means a sharp, and easily readable display, no matter the environment, or the time of day.

The DE Series are LED LFDs with 24/7 capacity. These will bring you the quality performances with extended hours, allowing you to display your content regardless of usage time or location. The DE Series provides you an Internal Player to enhance your business environment without additional costs. Without the need of external devices such as set-back boxes or PCs, you can simply connect your USB device that has the content you wish to play. This embedded media player supports various content types, as well as many video codecs, and the 800MB memory allows you to copy the files onto the display itself, if necessary.

Don't let bright, well-lit environments distract consumers from your message. The Samsung DE Series is designed with a glare-proof surface so that reflections created by brighter lights will not impede consumers from viewing the content on the LFD screen. By reducing the glare on the display screen, consumers can view content such as arrival and departure information quickly and easily.

- 40", 46", and 55" LED Displays
- Full HD (1920 x 1080) Resolution
- Slim Design & Easy Installation
- Internal Media Player
- 24 / 7 Professional Display
- 3-Year Onsite Parts and Labor

DE40A	40"
DE46A	46"
DE55A	55"



SAMSUNG ME Series

Commercial LED Displays

Samsung has taken its expertise in visual displays and has applied it to its new lineup of LED Large Format Displays (LFD). These LFDs leverage the most cutting-edge technology and offer the latest in advanced features available today. Featuring all the advantages of LED backlighting, the Samsung ME Series produces crisp images with accurate color representation, which is extremely critical when displaying large format content.

Looking beyond the display, the Samsung ME Series delivers a business solution that is aligned with your business needs. For starters, the ME Series consumes less energy than conventional large format displays built with CCFL technology. The ME Series is also environmentally friendly to complement your business's green strategy. And the slimmer and light-weight design enables a more efficient use of space allowing the ME Series to be configured based on the application, not the other way around.

Built-in Content Player The Samsung ME Series is designed with a built-in content player for greater display capabilities. So in addition to the content on the built-in player, the ME Series can display content from MagicInfo Lite, videos, images, music and even documents like PPT files. Since the ME Series already comes equipped with a content player, there's no need to purchase additional software, equipment, or even a PC connection.

- 40", 46", and 55" LED Displays
- Full HD (1920 x 1080)
- Slim Design & Easy Installation
- Reduced Heat Emission
- 3-Year Onsite Parts and Labor

ME40B	40"
ME46B	46"
ME55B	55"





The Samsung SUR40 for Microsoft Surface® brings people together to connect, learn, and decide using touch and everyday objects



Samsung SUR40



Experiences that enhance collaboration and personal connections

Microsoft Surface® brings people together to connect, learn, and decide. This experience comes to life in the next generation device - The Samsung SUR40 for Microsoft Surface®.

- Horizontal or vertical deployment
- Large form factor for simultaneous interaction
- Use everyday objects without the use of cameras
- Durable design for public use
- Rich partner network of solution providers



Technology that sees and responds to people and objects

The Samsung SUR40 for Microsoft Surface with PixelSense™ sees and responds to touch and objects providing:

- High accuracy touch interaction from multiple people at the same time
- Optical tag recognition
- More than 50 points of contact

And features:

- High definition 40" LCD screen
- Slim 4" profile, making it easy to use in a horizontal deployment or embed in walls and custom enclosures
- Supports VESA mounting for vertical deployment
- Standard legs available or a customer can design and attach their own



Proven platforms, tools and innovations

The Samsung SUR40 for Microsoft Surface®: Embedded Windows 7 Professional 64-bit and:

- AMD powered CPU and GPU for high performance
- Windows 7 manageability features for enterprise deployment ease
- DMFT DASH manageability system for remote diagnostics
- Familiar Microsoft developer tools and a worldwide set of solution providers found on www.surface.com



SAMSUNG UE Series

LED Slim Video Wall Displays



UE46A & UE55A

RESOLUTION	Full HD 1080p (1920 x 1080)
DISPLAY SIZE	46" (UE46A) 55" (UE55A)
BRIGHTNESS	420 cd/m ² (UE46A) 380 cd/m ² (UE55A)
CONTRAST RATIO	5,000:1
DISPLAY TECH	240Hz Edge-lit LED LCD
BEZEL	5.2mm
WEIGHT	26.4 lbs (UE46A) 35.2 lbs (UE55A)
WARRANTY	3-Year Onsite Parts and Labor
SPECIAL FEATURES	Energy Star 5.0, RoHS Compliant, Built-in Speaker (10W + 10W), Simple Plug & Play Media Player (thru USB), Built-in MagicInfo Lite signage software, Ultra-Narrow bezel, Slim chassis depth (1.18")



The Samsung LFD Monitor, which is lighter and slimmer than previous LFD models, offers simple and effective communication solutions for any modern business. With a quick and easy installation, setting up your business LFD can be achieved with minimal fuss. And you can forget the troublesome task of hanging your cumbersome LFD thanks to the new slim and lightweight design. It not only requires less support to hold it up, but can also be conveniently moved about with its easy-to-carry dimensions.

The contemporary design will also add a touch of sophistication to the overall messaging.

Don't settle for a viewing experience that is hampered by unnecessary reflections and a poor contrast ratio. Samsung's new LFD offers a perfect viewing experience with its incomparable readability. The vibrant and rich images are created through the panel's ability to avoid diffused reflections from external light, such as sunlight, thus minimizing glare. The result is a superb picture quality that is sharper and higher in contrast ratio, revealing deeper blacks and brighter colors. It is a dynamic visual experience that you've been waiting for.

- Readability
- Reduced Heat
- Super Narrow Bezel
- Internal Media Player On-Chip

SAMSUNG UD Series

LED Slim Video Wall Displays



Utilizing the latest in video display technology, the Samsung UD LFD is opening new opportunities for large format video walls and revolutionizing the industry. Among the variety of innovative new features is the super narrow bezel. Bezel thickness is the most important factor when creating a video wall. The slim bezel focuses the attention of the viewer to the content on the screen.

The Samsung UD Series also produces images with Full HD picture quality and 1920 x 1080 resolution, which becomes even more critical

when producing larger-than-life images. For even greater cost savings, the UD Series is easy to install and can be customized to fit in a variety of locations and used for a number of applications.

Super Narrow Bezel The super narrow bezel feature of the Samsung UD Series enables your content to shine through without any distractions or obstructions. At a mere 5.5mm, the thinnest bezel of the lineup allows you to create a nearly seamless viewing experience that can be as big as your imagination.

- Easy Installation
- High Resolution
- Eco-friendly LED Back Light Unit (BLU)

UD55A & UD46A

RESOLUTION	Full HD 1080p (1920 x 1080)
DISPLAY SIZE	55" (UD55A) 46" (UD46A)
BRIGHTNESS	700 cd/m ²
CONTRAST RATIO	3,500:1 (Typical)
DISPLAY TECH	60Hz Direct-lit LED LCD
BEZEL	3.55 mm (Combined) 15.1 mm (UD46A)
WEIGHT	52.8 lbs (UD55A) 39.6 lbs (UD46A)
WARRANTY	3-Year Onsite Parts and Labor
SPECIAL FEATURES	Energy Star 5.0, Lamp Error Detection, Anti-Image Retention, Temperature Sensor, RS-232C/RJ-45 MDC, Plug and Play (DDC2B), PIP/PBP, Built-in Video Wall processor (10x10), Portrait Orientation, Button Lock, Digital Daisy Chain, Smart Scheduling, Smart F/W update



SAMSUNG UT Series

LCD Super Narrow Bezel Video Wall Displays



460UT-2 & 460UT-B

RESOLUTION	WXGA (1366 x 768)
DISPLAY SIZE	46"
BRIGHTNESS	450 cd/m ²
CONTRAST RATIO	4,500:1 (Typical)
DISPLAY TECH	LCD
BEZEL	6.7 mm (Combined)
WEIGHT	26.3 lbs
WARRANTY	3-Year Parts and Labor
SPECIAL FEATURES	Lamp Error Detection, Anti Retention, Temperature Sensor, RS-232C/RJ-45 MDC, PIP/PBP, Video Wall (10x10), Pivot, Display, Button Lock, Digital Daisy Chain, Smart Scheduling, Smart F/W update, MagicInfo S/W, Windows Embedded Standard 2009



Keep the focus on your content being displayed, not the frame. The UT Series features a bezel measuring just 2.4 mm on the bottom and right, and 4.3 mm on the top and left (for a total bezel width of 6.7 mm). It's Samsung's thinnest large-format display bezel. So you can create the ultimate video wall with screens that are seamlessly connected and picture perfect.

Create a professional digital display without having to purchase any extra distributor or external equipment. Samsung makes it easy with

a display port that delivers enhanced connectivity and an improved display interface. The display port lets you take advantage of today's high-bandwidth content, enabling you to create a professional and powerfully compelling digital signage solution.

Reliable 24/7 Usage A highly reliable DiD panel with improved air ventilation, heat protection and dissipation allows for dependable, continuous operation. Housed inside of the commercial display is a fan which prevents it from overheating. You can control the fan with an easy-to-use on screen display.

Samsung is committed to creating more efficient, more environmentally conscious technologies. This Samsung LFD saves energy by being able to automatically adjust its bright levels as ambient light changes thus reducing the energy being used.

SAMSUNG UX Series

LCD Slim Video Wall Displays



The Samsung UX Series LCD video wall display offers reliable 24/7 operation, super thin bezels for virtually seamless video walls, up to 700 cd/m² max brightness, 1080p resolution, and compatibility with Samsung's MID46 interlocking assembly kits.

The UX Series Displays create impressive and impossible-to-ignore video walls up to 5 monitors wide by 5 monitors high. With an amazingly slim bezel, the Samsung UX Series keeps the focus on the image and not the frame around it. The thin

bezel means virtually seamless video walls. Natural mode correction compensates for the bezel, for distortion-free displays.

Samsung UX Series Displays feature advanced cooling technologies that allow continuous, reliable operation 24 hours a day, 7 days a week. And four types of anti-image retention can be set to be activated automatically throughout the day, contributing to longer panel life and greater reliability.

Flexible Pivot Function that freely rotates around 90 degrees, allowing you to easily view a vertical image or text without mouse scrolling. This function gives you more flexibility, which support presentations in portrait mode.

400UX-3 & 460UX-3

RESOLUTION	Full HD 1080p (1920 x 1080)
DISPLAY SIZE	40" (400UX-3) 46" (460UX-3)
BRIGHTNESS	700 cd/m ² (500 cd/m ² in Eco Mode)
CONTRAST RATIO	3,000:1 (Typical) 10,000:1 (Dynamic)
DISPLAY TECH	LCD
BEZEL	11 mm (400UX-3) 12.5 mm (460UX-3)
WEIGHT	38.5 lbs (400UX-3) 53.9 lbs (460UX-3)
WARRANTY	3-Year Parts and Labor
SPECIAL FEATURES	Lamp Error Detection, Anti Retention, Temperature Sensor, RS-232C/RJ-45 MDC, Built-in Speaker (10W + 10W), Plug and Play (DDC2B), PIP/PBP, Video Wall (10x10), Pivot Display, Button Lock, Digital Daisy Chain, Smart Scheduling, Smart F/W update





AQUOS Board™

Sharp PN-L Series Interactive Display Systems

Communicate, collaborate and share ideas like never before



Imagine your greatest ideas displayed in Sharp AQUOS® HD 1080p brilliance. Now in three spectacularly large class sizes, the AQUOS BOARD brings greater collaboration and interactivity to presentations, web conferences and class lessons. That's the power of the Sharp AQUOS BOARD lineup of interactive display systems—the new cutting-edge in large format display technology.

Using the intuitive, accurate dual-touch screen and included Sharp Pen Software™, the presenter can open and close documents, enlarge or shrink images, even make annotations—all with the touch of a finger or the included pen. Add in the optional AQUOS BOARD PC with powerful processor, brilliant color full HD images and full array LED backlight, and you've got an all-in-one solution package.

HIGHLIGHTS

- Spectacular 80" class (PN-L802B), 70" class (PN-L702B) and 60" class (PN-L602B) screen sizes
- Engineered for 24/7 commercial use
- Brilliant high definition LCD panel with energy-efficient design
- Display, annotate, store and share information
- Intuitive dual-touch operation using pen or finger
- Exclusive Sharp Pen Software™
- Built-in templates: calendar, to-do list and more
- Direct Sharp Multi-function printer connectivity to import/export data

SHARP Video Wall Monitors

Sharp PN-V Series 60" Ultra Slim Bezel LED Video Wall Display

The ideal choice for exciting, nearly seamless video walls

With exceptionally bright LED backlighting and the slimmest bezel in the 60" class size, the Sharp PN-V601/V602 let nothing stand between your message and your audience. With up to an incredible 1,500 cd/m² of brightness in the PN-V602 and up to 700 cd/m² of brightness in the PN-V601, these 60" Class LED video wall monitors are the perfect choice for large venues with high ambient light.

Ultra-slim bezels make the line between neighboring monitors an almost seamless 6.5 mm wide (2.4 mm right and bottom, 4.1 mm left and top). This allows for the dynamic display of large, crisp, images that catch the eye and capture the attention. And, since these multi-monitor configurations can be effortlessly set up almost anywhere space allows, the only thing left to do is tap your imagination and explore all the possibilities your video wall has to offer!



Because business never stops, neither do the PN-V601/V602 Video Wall Monitors. These professional-grade products are rugged enough for continuous 24/7 operation in the most demanding professional applications.

IDEAL FOR

- Stadiums
- Shopping Malls
- Museums
- Airports
- Control Centers



SHARP Digital Signage & Data Display

Sharp PN-E Series LED and LCD Displays

Durability you can put to work



The PN-E Series monitors are professional-grade LED and LCD digital signage displays built to withstand the rigors of professional use. Operate these workhorses around the clock and still enjoy stunning image quality and uniform brightness.

The PN-E Series models are no ordinary professional LED and LCD display monitors. Ranging in size from 42" class (42 1/16" diagonal) to 80" class (80" diagonal), these durable signage solutions offer versatile installation, outstanding image quality, and 24/7 reliability that add up to extraordinary performance.

IDEAL FOR

- Conference rooms
- Hotel or office lobbies
- Trade show exhibit halls
- Classrooms and lecture halls
- Indoor shopping plazas and retail spaces

LED BACKLIGHTING

- 80" - PN-E802 (full array)
- 70" - PN-E702 (full array)
- 60" - PN-E602 (edge lit)

CCFL BACKLIGHTING

- 60" - PN-E601
- 52" - PN-E521
- 47" - PN-E471R
- 42" - PN-E421

TOTEVISION LED-2361HDMT

23.6" LED Monitor w/ tuner, metal case



Totevision's new digital signage monitor with TV tuner provides a stunning HD picture on a smaller scale for more personal viewing.

- True HD (1080p/i) with no downscaling
- LED backlight – brighter picture using less power
- Widescreen (16:9) native aspect ratio
- Metal case – front even bezel, no front controls; VESA mounting pattern
- ATSC/QAM TV tuner
- IR remote control
- RS-232 control

TOTEVISION LED-4200HDMT

42" High-Definition Monitor



This monitor is ideal for digital signage and public displays.

- True HD displays 1080p/i without down scaling
- 10 Bit/120 Hz, ATSC/QAM Tuner
- Environmentally safe: RoHS compliant, no x-radiation, power-saving feature
- LED backlight – brighter picture using less power
- Great picture quality - 10 Bit / 120Hz
- Wide viewing angle (89/89/89)
- ATSC / QAM Tuner
- Widescreen (16:9) native aspect ratio
- Built-in stereo speakers
- Built-in removable desk stand
- IR remote control
- RS-232 control

TOTEVISION AIO-5501

Multi-Functional 55" Monitor



This multi-functional 55" video monitor includes an ATSC/QAM TV tuner and integrated PC with multi-touch capabilities. Ideal for use in training and education environments, in broadcast production, or in any application that benefits from onboard computing that utilizes touch screen functionality.

- Full HD display - 1080p/i with no downscaling
- LED backlight - brighter picture using less power
- ATSC/QAM TV tuner (10 bit / 120Hz)
- 3D adaptive comb filter
- Intel Core i5 processor with 2GB DDR3 memory
- Multi-touch screen panel (IR transmission)
- Wide-viewing angle
- Built-in removable desk stand
- IR remote control

TOTEVISION LED-1211VB

12.1" Sunlight Readable LED Monitor

- LED backlight provides longer life, uses less power and provides better color saturation
- Ultra-bright technology provides sunlight readability
- Mercury and lead free green design
- High shock and vibration resistance
- On-screen display for: brightness, contrast, back light, hue
- Composite, S-Video, PC capability
- Low power consumption
- Case made of durable steel
- Active matrix technology allows wide viewing angle
- Front controls for Power, Menu, Up/Down
- Built-in interface for wall or arm mounting VESA 75mm FPMPI compliant
- Response Time: 23ms



TOTEVISION LCD-1701TS / TSL / TSR

17" LCD Touch Screen Monitor

This high performance touch screen monitor is made for use in a 24/7 environment; ideal for client security and AV applications.

- 17" LCD Touch Screen Monitor
- 5 wire resistive touch screen
- Wide viewing angle
- Low power consumption
- Very wide viewing angle (85/85/85/85)
- 4:3 native aspect ratio
- Can function between 32° – 122°F
- Built-in speakers
- Built-in removable desk stand
- 100mm pattern for mounting

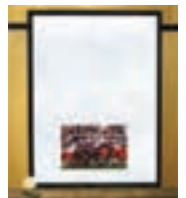


TOTEVISION LED-1543MM

15.4" LED TV Mirror Mounted TV

This new TV concept integrates into a mirror and vanishes when the TV is turned off. It is gaining popularity in lounges, sports arenas, and in residential bathrooms.

- 40" x 30" mirrored glass in black frame; ~ 2 1/2" surface mount depth
- Widescreen 16:9 native aspect ratio
- ATSC/QAM TV tuner with combined off-air/cable signal capability
- Composite In/Out
- Built-in stereo speakers
- Easy and straightforward installation
- IR remote control



TOTEVISION LCD-703HDL / HDLX / HD1 / HD2

7" Field Monitor

This versatile high-definition monitor is designed primarily for field broadcast and video production, and remote surveillance applications. Multiple mounting options and battery pack options are available.

- HD compatible (supports 480p/i, 576p/i, 720p, 1080p/i)
- Both component & HDMI inputs accept 1080p/i
- LED backlight provides longer life, uses less power and provides better color saturation
- RS-232 feature allows external devices to control the monitor through the serial port
- Underscan capability
- Blue gun feature provides for easy adjustment of screen display
- Anti-glare treatment adds to viewing pleasure
- Displays either 16:9 or 4:3 aspect ratio
- Front controls for: Menu, Up, Down, On/Off, Mode
- IR remote control
- Case made of durable metal
- A/C adaptor (Part No. AC-1000) included
- Built-in interface and proper cable exiting for wall or arm mounting VESA
- 75mm FPMPI compliant
- Response time: 22ms (Rising), 35ms (Falling)
- Mounting pad with 1/4-20 threaded socket



TOTEVISION LCD-842HD / HDL / HDLX / HD1 / HD2L

8.4" High-Definition Monitor

A popular high-definition, small screen monitor that is used for a variety of applications ranging from security surveillance to video production.

- 8.4" HD monitor
- Blue gun feature provides for easy adjustment of screen display
- Underscan capability
- Self-powered 3-color tally system
- Active matrix technology allows for wide-viewing angle
- Built-in memory saves current setup when unit is powered down
- Scaler accepts 640 x 800, 800 x 600, 1024 x 768, 1152 x 864, and 1280 x 1024
- Response Time: 15ms rising / 25ms falling
- Built-in color bar generator
- Direct source selector buttons
- Displays 4:3 native aspect ratio with 16:10 capability
- Includes moveable 1/4-20 mounting pad that can be mounted on top or bottom



SPECS APPLY TO THE LCD-842HD. SPECS FOR OTHER MODELS MAY VARY.

TOTEVISION LCD-1048HD / HDL / HDLXL

10.4" HD LCD Monitor

A popular high-definition, small screen monitor that is used for a variety of video applications ranging from surveillance to video production.

- HD Compatible (supports 480p/i, 720p, 1080p/i)
- RS-232 serial control provided
- Composite video BNC IN/OUT capability
- Underscan capability
- On-screen display controls, with front controls for Power, Select, Menu, and Volume Up/Down
- Wireless remote control with hot key allows easy toggling between sources
- Rear IR jack allows direct connection for use with IR repeater systems
- Speaker output on board allows screw down connection for R/L audio
- Built-in amplifier provides ample power to drive right and left stereo
- 8 ohm speakers
- 2 built-in speakers
- Built-in interface and proper cable exiting for wall arm mounting,
- Metal case
- VESA75mm compliant
- Screw down DC feature provides additional security for power connection
- Response time: 15/25 ms (rising/falling)
- SPS included, 100~240 VAC



SPECS APPLY TO THE LCD-1048HD. SPECS FOR OTHER MODELS MAY VARY.

SPECS APPLY TO THE LCD-703HDL. SPECS FOR OTHER MODELS MAY VARY.

ViewSonic CDP3225

32" Digital Signage LCD Display

ViewSonic's 32" CDP3225 Commercial Display is designed for use in educational, retail, public and commercial signage applications. Full 1080p resolution and nearly 178° horizontal and vertical viewing angles provide a clear view in any installation. Multiple connectivity and resolutions provide many options for showing a diverse set of digital signage content; from movies, to internet pages, PowerPoint, Flash, and much more with ultimate HD clarity. Display your vivid graphics and stunning video beautifully with this bright and high contrast commercial display.



- 1080p 8ms panel for vibrant video and crisp images
- Built-in 6Wx2 speaker
- Remote and panel control lockout
- RS-232 daisy-chain capable

CDP3225	32"
CDP4233	42"
CDP4636	46"



ViewSonic CDP4737-L

47" Full HD Commercial LED Display

ViewSonic's new CDP4737-L commercial display features Full HD 1920 x 1080p IPS panel technology, fast 120Hz response time and 50,000:1 dynamic contrast ratio. Slim ID design, combined with 28mm bezel width makes the CDP4737-L an ideal large screen solution for your digital signage application. Other key features include up to 5x5 tiling for video walls and VGA and DVI loop through support.



- 1080p LED Panel
- 28mm slim bezel with 5x5 display video wall capability
- Built-in Media Player / USB storage
- Designed for 24/7 operation with 3-year limited warranty
- 120Hz (MEMC) 450 nits brightness with 50,000:1 DCR
- RS232 daisy-chain capable
- Remote and panel control lock out

CDP4237-L	42"
CDP4737-L	47"
CDP5637-L	55"



ViewSonic CDP6530

65" Digital Signage LCD Display

Introducing ViewSonic's new CDP6530 Full HD commercial display with 1920 x 1080, 500 nits panel with 20,000:1 dynamic contrast ratio. The CDP6530 can be used to make up to a 5x5 display video wall with applications and automatic scheduler. RS232 daisy chain and DDC/CI is also provided for remote control, Along with VGA and composite video output is also provided for video loop through applications.



- 1080p 8ms LED panel uses up to 35% less power than standard CCFL displays
- 42.3mm bezel with 5x5 display video wall capability
- Designed for 24/7 operation with 3-year limited warranty
- 500 cd/m² brightness with 20,000:1 dynamic contrast ratio
- RS232 daisy-chain capable
- Built-in 12W x2 speakers
- PIP (Picture-in-Picture)

CDP4235	42"
CDP4635	46"
CDP6530	65"



ViewSonic CLED5500

55" Commercial LED Display

With ViewSonic's new CLED5500 Full HD commercial display with 1920 x 1080, 120Hz, 450 nits panel with 4000:1 contrast with slim 23.1mm bezel width. The CD5233 can be used to make up to a 5x5 display video wall application with a 7-day automatic scheduler. RS-232 daisy chain and DDC/CI is also provided for remote control, along with VGA and composite video output for video loop through applications.



- Full HD 1080p LED Panel
- 23.1mm slim bezel with 5x5 display video wall capability
- Designed for 24/7 operation with 3-year limited warranty
- 120Hz (MEMC) 450 nits brightness with 4000:1 contrast panel
- RS232 daisy-chain capable
- Built-in 10W x2 speakers
- PIP (Picture-in-Picture)
- Internal scheduler



ViewSonic EP1020R

10.4" Wireless Digital Signage Display

ViewSonic's EP1020r wireless display is just right for POS messaging or meeting room schedules. It features a built-in media player with internal storage capable of playing of JPEG images and video content with audio. Vivid retail messaging is easily configured via a play list using the included Signage Manager Express Software, and uploaded into the EP1020r display over a corporate network or manually using a USB thumb drive. The EP1020r is also SMIL compatible making it the perfect companion for ViewSonic's new ScheduleIT software for automated meeting room scheduling.



- 10.4" wireless display with integrated media player
- 800 x 600 display resolution
- 250 nits of brightness with 400:1 contrast ratio
- Signage Manager Express Content scheduling and management software – MS Windows compatible
- Video music and Text – JPEG, MPEG 1, MPEG-4ASP, DivX, BMP
- Easy loading of content through USB or Network (RJ-45) Ethernet
- Built in 3W x2 audio
- Compatible with ViewSonic Schedule IT automated meeting room scheduling



ViewSonic EP5555T

55" Full HD Touchscreen Digital E-Poster

Interactivity Meets Advertising

In-store "Way-finding" is easy with ViewSonic's new interactive ePoster display solution. With its drift free 4K x 4K touch interface and vivid screen resolution, retail messaging and image navigation is easy with the all-in-one eP5555T ePoster.



Simply connect the output of your PC to the versatile input ports and common USB port for your touch interface and your application comes alive. ViewSonic's ePoster display can easily be connected to a corporate network by adding a network media player. Security is achieved through the locking back cover.

- 55" Full HD ePoster featuring 1920 x 1080 resolution and tempered glass faceplate for screen protection
- Interactive built-in "one-point" IR touch panel has a 4096 x 4096 touch resolution for accurate selection of data
- All-in-One design provides easy customer deployment with no required construction
- 1 Year Warranty with extended options available
- Dual Internal RISC media player with 2GB CF storage for playing JPEG images and digital video files
- Built-in power outlet and mounting cradle for adding your own media player
- Applications: Retail Advertising, Way-Finding, Hospitality, and Education
- Photo Formats: JPEG
- Video Formats: MPEG 1/2/3, H.264, Xvid 1.00–AVI, MP4
- Audio Formats: WMA, MP3, M4A (AA CC)
- Speakers: 5W (x2)

EP4646	46" Dual-Sided
EP5502	55" Single-Sided
EP5555	55" Dual-Sided
EP5555T	55" Dual Screen (One-Side Touch)



ViewSonic N1630W

16" LCD HDTV

The high-style, high-performance 15.6" viewable widescreen HDTV/PC monitor is the perfect solution for dual purpose use in dorms, kids' rooms, dens, kitchens and other small rooms. Enjoy a widescreen theater experience and high-definition picture quality with this display's widescreen aspect ratio, true HDTV capability, and wide viewing angles.



- Features WXGA (1360 x 768) resolution, high brightness and fast video response for crystal-clear moving images
- 10,000:1 dynamic contrast ratio delivers richer blacks for better dark scene performance
- Support for HD signals up to 1080i, lets you watch your favorite movies and TV shows in amazingly crisp detail
- Your connection options are extensive with HDMI and other component inputs
- Word processing documents, spreadsheets and other business/student applications are super crisp
- Expand your options with plug-and-play connectivity
- Built-in stereo speakers



ViewSonic VT3205LED

32" LED Commercial TV

ViewSonic's new 32" VT3205LED Commercial HD TV featuring "edge white" LED technology delivers brilliant image clarity and high contrast with saturated colors while consuming very low power. An RS232 control port is combined with IR pass through providing automated control for hospitality and commercial installations. Internal programming is offered for users to control the specific operation of the TV. This includes features such as front panel lockout, volume limitation, active inputs on power up and programmable channel range.



- 32" Mercury-Free LED Panel Technology
- RS232 Serial Interface with IR Pass Through
- Hospitality Set-up Menu
- Advanced Image Processing Delivers Professional Image Quality
- 20W SRS TruSurround HD audio, SPDID Digital audio output, Dolby Digital

VT2405LED	24" Full HD
VT2755LED	27" Full HD
VT4210LED	42" Full HD





Leader in Digital Signage Media Appliances

IAdea is the leading maker of open-standard digital signage media appliances and digital signboards. IAdea's products have been successfully installed in more than 50 countries

Founded in 2000, IAdea is dedicated to the development of cutting-edge commercial-grade digital signage players and integrated displays. IAdea's products support the W3C SMIL open platform and the HTML5 content standard, allowing system integrators to quickly customize and tailor to individual project requirements.

IAdea's device technologies power many large-scale digital signage projects, offering proven robustness and lowered total cost of ownership (TCO). With offices worldwide, IAdea offers uninterrupted product service throughout the globe.



XDS-2450 24" Full-HD Web Signboard HTML5 Capable Digital Signage

Full-HD 1080p 24" wide-angle MVA panel

The XDS-2450 offers the industry's highest standards for hardware video decoding performance. Multi-zone screen layout, transparent PNG overlay, and graphical scrolling ticker support offer greater flexibility for signage display.

The 24", 24-bit color MVA panel offers 16.7 million colors at 1920 x 1080 resolution for optimal presentation of 1080p HD video and HD images. The wide viewing angle of the MVA LCD makes it suitable for 9:16 portrait-mode content display.

VESA mountable integrated signage unit

The XDS-2450 integrates essential signage hardware and features in a VESA MIS-D100 mountable display unit. A watchdog timer lets the display recover and resume playback from power, network, or other disruptions. The custom enclosure provides reliable passive cooling and features screw-lock connectors to prevent loose cables. The covered CF card slot lets you expand beyond the 4GBs of built-in solid-state local storage while preventing removal of card. In addition to a built-in Ethernet port, the XDS-2450 provides built-in wireless b/g/n (2.4GHz only) to offer connected signage via a single power cord.



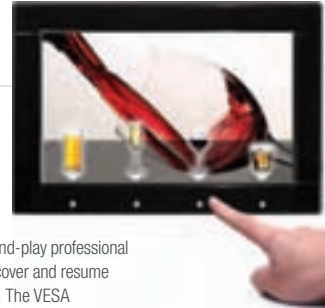
XDS-104 10" Digital Signboard All-in-One Digital Signage Display

Versatile all-in-one signboard with touch buttons

IAdea digital signboards deliver DVD quality video content in a compact frame you can place anywhere. The sleek unit integrates the media player, high brightness display, expandable local storage, and wireless network for easy placement. Since the power adapter cable is the only physical connection to the player, it's easy to achieve a clean and professional presentation in tight spaces. Four programmable touch buttons provide interactive features, letting users discover promotional materials, skip to content of interest, and drill down information.

Dedicated signage device features

The XDS-104 is engineered for trouble-free, plug-and-play professional digital signage. A watchdog timer lets the player recover and resume playback from power, network, or other disruptions. The VESA mountable enclosure features screw-lock mechanisms to secure power cables during user handling. The covered SD card slot lets you expand beyond the 2GBs of built-in solid-state local storage while protecting contents. Enjoy all the benefits of an industrial PC (IPC) without the cost and uncertainty of complex, multi-purpose systems.



XMP-3450 Live Full-HD Web Appliance HTML5 Capable Digital Signage Player

Convenience of the Wireless LAN

The XMP-3450 Live Player integrates external live video with dynamic HTML5 content to create the most relevant and attractive digital signage display. An RS-232 port also allows controlling supported professional monitors to turn on/off at scheduled times. The A/V-in port on the XMP-3450 connects to live sources such as a TV tuner or a camcorder via analog composite A/V signal to present the live show as a part of the displayed content.

The XMP-3450 incorporates the latest wireless LAN technology and effectively reduces installation cost at deployment sites. By incorporating optional 3G/4G access points, the XMP-3450 can further be integrated into the mobile network architecture.

Solid Performance

The XMP-3450 is built using a high-performance hardware media decoder chip capable of reproducing brilliant video performance up to 1080p. Unlike conventional players built using PC technologies, the video performance of the XMP-3450 is guaranteed by hardware and would avoid stuttering typical among software decoders.



tightrope media systems ★

Carousel Server 310



Web Enabled Digital Signage System

Carousel brings a new level of capability, price, and ease of use to the digital signage market. The Carousel Server is a complete package of both hardware and software that can provide up to fifteen separate channels of dynamic digital signage. Content can be uploaded, screens can be created, and Carousel can be programmed from any location with an internet connection.

KEY FEATURES

- Multi-zone display for exciting, active content
- Interfaces with popular event management systems such as Dean Evans and Resource25
- Comes with dozens of pre-defined templates
- Custom graphic design available through Tightrope Creative
- Intelligent scheduling for bulletins and feeds

- Add up to fourteen additional channels
- TV Input -- for displaying live video signals (up to 1080i) in a zone or full screen -- now included with every 310
- NVIDIA® Quadro® FX 380 LP for professional graphics handling of transitions, crawls and video
- Windows® 7 Professional
- Built in Player. Includes one channel license
- In case of an emergency, you can override the system with Alert Messages. Manage these alerts with multiple levels of authorization



tightrope media systems ★

Carousel Player 240



Networked Digital Signage Player

The Carousel Player 240 provides an amazing level of functionality and state-of-the-art features to a low-cost networked digital signage appliance. The Carousel Player 240 integrates with Carousel Server, Pro and Enterprise.

KEY FEATURES

- Part of complete Carousel Digital Signage System
- Web-based interface
- Multi-zone display
- Plays Adobe® Flash®, MPEG-2 and other video formats
- High Definition output
- Emergency messaging capability

- NVIDIA® ION GPU for smoother handling of transitions, crawls and video
- Windows® 7 Professional
- Whisper quiet, small and lightweight, perfect for mounting behind a display
- Hardware, channel license and Display Engine all in one
- Displays RSS feeds, web cams, video, Adobe® Flash® and images for dynamically rich content
- Media is cached locally on the Player, so when there is a loss in network connectivity, your messages continue to play out



tightrope media systems ★

Carousel Solo 310



Standalone Digital Signage System

Carousel Solo 310 brings a new level of capability and price to the web-enabled digital signage market. A complete package with both hardware and software, this rack mounted player features the ability to act as a low cost, standalone digital signage system or as a part of a larger digital signage framework.

KEY FEATURES

- Web-based interface for creating bulletins and templates
- Low cost, standalone system
- Multi-zone display
- Complete hardware and software package
- High Definition output
- Comes with dozens of pre-defined templates
- Custom graphic design available through Tightrope Creative
- Interfaces with popular event management systems such as Dean Evans and Resource25
- Emergency messaging capability

- For applications where only a single channel of digital signage is required
- TV Input -- for displaying live video signals (up to 1080i) in a zone or full screen -- now included with every 310
- NVIDIA® Quadro® FX 380 LP for professional graphics handling of transitions, crawls and video
- Windows® 7 Professional
- Displays RSS feeds, web cams, video, Adobe® Flash® and images for dynamically rich content
- Can also act as a Carousel Player with a multi-channel Carousel Server

**TIGHTROPE™**
media systems

Web-based Digital Signage Systems

Where ease of use meets epic functionality, that's where you'll find Tightrope. Tightrope Media Systems makes communication tools that provide the latest capabilities while offering the utmost reliability. Tools that do most of the work for you. Tools that get out of the way. Tools you'll take for granted even as they make you look like a hero.

Visit Tightrope online
at trms.com for more info.



Your Digital Signage Solution

Grab their attention! Carousel is an intelligent digital signage system that is designed with simplicity, security, scalability and economy in mind. Start with a single display and expand to nearly limitless channels of signage in multiple buildings. Use existing Flash®, video and graphics or enter messages directly. It's power and simplicity for digital signage. It's Carousel!

With its zero-training, easy-to-use interface, Carousel is ideal for educational institutions, community television, corporate communications and retail. Stream video, create crawls, inform viewers with alert bulletins and much more! No matter how small or how large your organization, Carousel allows multiple users to post videos, create and update messages, and push full screen alerts from any device with a network connection and a web browser.

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Mounts, Screens, Security & More

IAVI offers a complete line of high margin accessories that will complete your solution and add to your profits.

IAVI knows your projects can range from the simple to the complex. That's why we make it easy to shop for the accessories required to ensure optimal performance and increase product reliability.

Our complete line of accessories for all brands and models make IAVI the only resource for all of your Pro AV needs. From projector screens available in multiple, specialized projection materials designed to enhance video quality from the leading manufacturers to data and audio cables, at IAVI we have everything. We proudly offer fixed, electric, wall-mounted and portable projection screen styles made for front and rear projection applications.

Mounts are excellent add-ons to projection and digital signage solutions; and extenders, adapters, stabilizers, data and audio cables and more can be added to your orders, saving you valuable time and resources with the convenience of a single purchase order.

Contact your sales rep today to learn how to add to your profits by including upgrades and high margin accessories to your proposals.

PROJECTORS



ONLY LIMITED BY YOUR **IMAGINATION**



The possibilities are endless with Chief's Interactive Short Throw Mount featuring eBeam™ Technology. Through state-of-the-art technology, any projection-ready surface can be transformed into an interactive presentation tool. Use with any short throw projector model and scale projection to a size that meets your needs. Comes ready for future technology and upgrades. Let the interaction begin!



Installer-Inspired Innovations
800.582.6480 ■ www.chiefmfg.com

CHIEF® Thinstall Series

Flat Panel Mounting Solutions

Thinstall™ Swing Arm Mounts are engineered to deliver ultra low-profile installations with state-of-the-art functionality for all types of displays. Installer-inspired features make installation safe and easy. Customize your installation with a full line of supporting accessories.



Chief's Thinstall Series Swing Arm Mounts are full-motion wall mounts for LED, LCD and plasma TVs and displays. These sleek, ruggedly-constructed mounts have low 1.5 to 1.8" (38 to 46 mm) profiles, are easy to install and extend up to 25" (635 mm).



FULL EXTENSION

- Arms extend out up to 25" (635 mm) for maximum viewing potential.

ULTRA LOW-PROFILE

- These sleek designs collapse 1.5 to 1.8" (38 to 46 mm) providing an ultra-thin profile.

CONTROLZONE™ HEIGHT ADJUSTMENT

- Adjust the height of your entire configuration post-installation up to 1" (25.4 mm).

CENTERLESS™ LATERAL SHIFT

- Get up to 16" (406.4 mm) of post-installation shift for limitless centering possibilities.

CENTRIS™ LOW-PROFILE FINGERTIP TILT

- Provides up to 15° of fingertip tilt to achieve the perfect viewing angle.

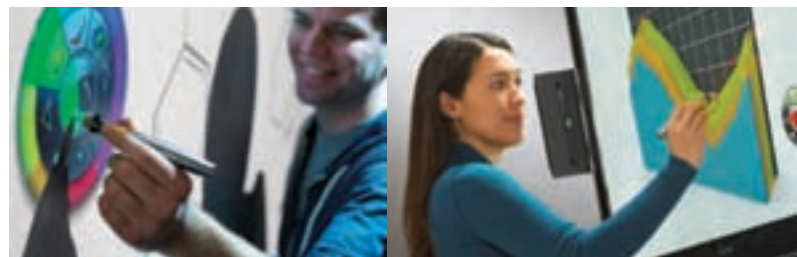
INTEGRATED CABLE MANAGEMENT

- Enclosed, tool-less cable covers and a wide open wall plate make it easy to route power and signal cables.

CHIEF® Interactive Solutions

Interactive Projector & Flat Panel Mounts

Chief's interactive solutions transform projectors and flat panels into robust interactive platforms. By placing interactivity in the mount, the system becomes a flexible and long-term solution, ready for future technologies and upgrades. Get started in a few simple steps and let the interactivity begin!



Chief's award-winning series of interactive mounts to include flat panel and ceiling-mounted projector solutions. Combined with flexible, user-friendly mounting solutions, these new accessories easily convert standard TVs and projectors into a common interactive environment powered by eBeam™ Technology.

A built-in receiver turns standard flat panels and projectors into interactive solutions, powered by eBeam Technology

Simple 3-step installation:

1. Install interactive accessory
2. Install eBeam's business (PC) or education (Mac or PC) software
3. Connect computer to sensor via included USB cable



- Lightweight, ergonomic stylus provides exceptional, real-time software navigation and annotation capabilities
- Powerful interactive software is compatible with your favorite PC and Mac applications
- Provides easy upgrade path for future TV and projector service and replacement, without losing interactive capabilities

CHIEF® AV Racks

For more than 30 years Chief has provided quality products and industry-leading customer service, and our Raxxess® Series of AV Rack Solutions is no exception. Our redesigned racks offer strength, flexibility and advanced features that speed up installation and assembly.

Consistent designs mean accessories are compatible with multiple racks, and innovative packaging protects the rack during lay-down loading. We offer a full line of Chief enclosures, racks and accessories for the professional AV market—from music stores and pro audio suppliers to commercial installers.

Freestanding Racks

From minimal skeleton racks to fully enclosed racks with several door options, Chief's freestanding racks are durable and provide easy installation.

- Gangable
- Enclosed
- Skeleton

Wall-Mounted Racks

Mount securely to the wall while resting on a solid steel platform that transfers weight to the floor.

- Sectional
- Pivoting

In-Cabinet Racks

Get easy access to equipment installed in cabinetry or millwork with a racks that pull out and rotate up to 90° in either direction.

- Pull-Out
- Rotating
- Heavy-Duty

Furniture

Furniture to house all the electronics needed for boardroom and conference room applications.

- Configurable
- Workstations





Born in the USA

Peerless-AV™ products are proudly manufactured in the USA.

We establish the standards, we use the best materials and production processes, and we control our supply chain. Our engineering, development and manufacturing capabilities are organized into four product divisions to better serve our customers, all serviced by our own Peerless-AV™ sales and marketing team. With Peerless-AV™, you know what you are getting and when you are getting it.



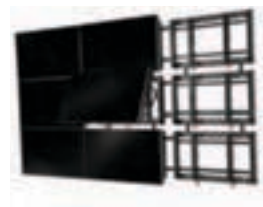
PRG-UNV
Projector Mount



SP746PU
Flat Panel Mount



ST650
Flat Panel Mount



Full-Service Video Wall
Mount Solutions

peerless-av.com

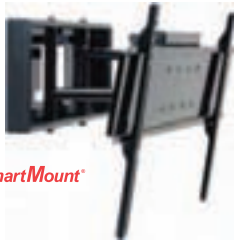
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peerless-AV™

peerless® SP850-UNLP

Pull-Out Swivel Mount For 32" - 65" Flat Panel Screens Up to 150 lb



SmartMount®

The SP850 Pull-out Pivot Mount combines the best features of a wall mount and a pivot arm. In the closed position, the SP850 acts as a flat or tilting wall mount. At only 2.31" from the wall, its unique wall plate and built-in cable management neatly hide all components and cords. Extended, the SP850's sturdy arm construction smoothly glides the display out 10.68" from the wall and allows the flat panel display to pivot up to 45°. This feature not only enables the display to be positioned for an optimal viewing angle, but it also provides easy access to the back of the display for hassle-free maintenance. The SP850 is also ideal in applications where the display needs to be recessed into the wall, custom framed or aligned into a multi-display wall.

- Built in pivot up to 90° (45° in each direction) for adjustable viewing angles
- Easy pull-out pivot provides quick maintenance access
- Dedicated models include VESA® 100 and 200 x 100mm compliant adapter plate (PLP or LC model adapter plate required for non-VESA displays)
- Universal models adapt to displays with mounting holes up to 729 x 433mm (28.7" W x 17.05" H)
- 2.31" (59mm) deep when retracted, pivot arms extend up to 10.68" (271mm) when extended
- Clean profile design hides wiring and mount within the enclosed wall plate
- IncreLok™ tilt provides tilt at 0°, 5° and 10°
- ±1° of roll for horizontal display leveling during installation
- Lock Key™ installation tool secures arms for display installation
- Lock-out screw prevents unwanted extension
- Mounts to 16" wood studs, concrete and cinder block

peerless® DSV-W765

Full-Service Video Wall Mount For 40" to 65" Displays



Service access to individual displays in a video wall can be cumbersome, until now. The DS-VW765, a modular mount system allows unlimited display configurations and features an innovative pull-out/prop-open hinge mechanism that provides quick and easy rear of screen access. This unique modular mount system assists in achieving a seamless installation and look with the use of custom wall plate spacers that set into place, drastically reducing installation time without requiring additional tools. With simple installation and easy micro-adjustments, the displays are aligned with precision and held close against the wall for a clean, low-profile appearance.

- TV Size: 40"-65", Max load: 150 lbs
- Modular mount for unlimited video wall display configurations
- Custom wall plate spacers eliminate the guesswork and on-site installation calculations
- Tool-less micro-adjustments at 8 points seamlessly align the displays
- Displays click securely into place against the wall with spring-loaded mechanism
- Displays and mounts sit flush against the wall for a clean side appearance
- Pull-out/prop-open mechanism for quick service access
- Integrated cable management tie-backs make display-to-display cabling simple
- Included security hardware prevents the mount from extending out from the wall
- Adjustable VESA® mounting hole patterns in 100mm increments, starting at 200 x 200mm up to 700 x 400mm, additional patterns supported
- Integrated cable management keeps cables out of the way

ALSO AVAILABLE IN PORTRAIT MODE.

peerless® ST650

Universal Tilt Wall Mount For 32" to 56" for Flat Panels Weighing Up to 175 lb



SmartMount®

The ST650 is indispensable when it comes to screen placement flexibility. It features open wall plate architecture that delivers increased electrical access and cable management options. Its exclusive pre-tensioned universal tilt screen adapters deliver the ultimate ease in horizontal screen adjustment and viewing angle flexibility.

- Universal mount fits screens with mounting patterns up to 29.5" W x 17.67" H
- Open wall plate design allows for total wall access, increasing electrical access and cable management options
- Adjustable to 15° of forward tilt and -5° backward tilt for optimal viewing angle
- Pre-tensioned universal tilt bracket allows for tilt adjustment w/o the use of tools
- Easy grip handle locks the screen position into place
- Optional IncreLok feature offers fixed tilts at -5°, 0°, 5°, 10°, 15° increments screen placement
- Horizontal screen adjustment of up to 8" (depending on screen model) for perfect screen placement
- Universal brackets easily hook onto wall plate for fast installation
- Mounts to two wood studs, concrete, cinder block or metal studs (metal stud accessory required)
- Comes with Peerless' Sorted-for-You™ fastener pack with all necessary screen attachment hardware
- Integrated security options available
- UL listed

AVAILABLE IN VARIOUS SCREEN SIZES.

peerless® SP746PU

Pivot Wall Mount For 26"-46" Flat Panel Screens



SmartMount®

Supporting screens up to 46" the SP746PU mount provides pivoting functionality for the viewing angle adjustment when full articulation is not required. This user-friendly and easy to install mount delivers one touch side-to-side swivel and tilting functionality that is complemented by its lightweight construction and intuitive three step installation process. Adding to its pivot functionality is the mount's clean aesthetic, contributed to by its cable management system that easily organizes and routes cables, focusing all the attention on the screen. Designed and built in the USA.

- Screen size: 26" - 46"
- Max load: 80 lbs
- Universal screen adapters provide compatibility with up to a VESA® 400 x 400mm mounting hole pattern
- Arm extends up to 12.55" (319mm) from wall
- One-touch tilt allows adjustment of +15/-5° without the use of tools
- Up to ±90° of side-to-side swivel
- ±5° of roll to level screen horizontally
- Integrated cable management keeps cables out of the way
- 5-Year Limited Warranty

AVAILABLE IN VARIOUS SCREEN SIZES.

peerless® PJF2-UNV

Ceiling Mount For Multimedia Projectors up to 50 lb



Vector Pro™ II provides a clean look with its cable management capabilities. The included extension column connector incorporates internal cable management paths that keep unsightly cords concealed from view. The mount also features a ceiling plate, ball and socket design, multidirectional positioning (roll, pitch and yaw) for proper image alignment and preinstalled security hardware at every connection point. This projector mount is perfect for use in classrooms, boardrooms, hotels, bars and restaurants or anywhere a projector needs to be mounted. The Vector Pro™ II can be flush mounted to the ceiling or mounted on the wall. It can also be mounted using 1-1/2" (38 mm) diameter extension column or 1/2" (38 mm) thread rod.

- Pre-installed security screws at all connection points
- Quick-release mechanism to easily service projector
- Features a 1-1/2" (38 mm) cable access hole allowing cables to be routed through projector mount out of sight
- Pre-assembled design reduces installation time
- Structural ceiling plate included for flush mounting applications
- Spider® Universal Adapter Plate extends up to 17.63" (448 mm) to fit most projector models
- Specs: Tilt: ±15°, Roll: ±15°, Swivel: 360°, All with positive lock at any degree
- Various accessories such as extension columns and ceiling plates available

peerless® PRG-UNV

PRG Precision Gear Projector Mount For Multimedia Projectors up to 50 lb



Peerless' PRG Precision Gear Projector Mount is simplifying the way image alignment is done. The patent-pending precision gear design allows exact tilt and roll image positioning by either simply turning two adjustment knobs with a Phillips screw driver, or use the tool-less option by extending the knobs to adjust by hand. Just set the precision gear to the desired position to secure it in place – it will hold its position even during projector maintenance. With Peerless' PRG Precision Gear Projector Mount, just set it and forget it. No more adjustment screws. No more micro adjustments. No more hassles.

- Patent-pending precision gears provides exact projector image alignment
- Two adjustment knobs control projector image alignment
- Pre-assembled design reduces installation time
- Horizontal wrench access slots make flush mounting installations fast and easy
- Cable management allows cables to be routed out of sight
- "U" shaped pitch bracket allows for hassle free cable routing
- Quick-release mechanism to easily service projector
- Spider® Universal Adapter Plate extends up to 17.63" (448 mm) to fit most projector models
- Pre-installed security screws provide optional tilt and roll lock to prevent tampering with adjustment knobs
- Specifications: Tilt: ±20°, Roll: ±10°, Swivel: 360° (when mounted on extension column) / ±15° (when flush mounted on ceilings)

 **PREMIER MOUNTS®**

Mounts, Carts & Stands

The Backbone of PRO A/V



P-Series Wall Mounts

Low-Profile Mount for Flat-Panels up to 300 lb.



Universal Projector Mounts

Support 10 – 350 lb. Projectors



Short Throw Mounts

Universal Short Throw Projector Mounts



Video Wall Carts & Stands

Customizable Configurations for HD Displays



Swingout Wall Mounts

Extends Panels up to 26" from Walls



Floor Stands & Carts

Accommodate Displays in Any Venue

800.368.9700 | www.mounts.com

P-Series Wall Mounts

Low-Profile Mount for Flat Panels up to 300 lb.



The P-Series Wall Mounts are tilting or flat low-profile mounts for flat-panels between up to 300 lb. The P-Series mounts typically fit displays ranging from 26 in. - 80 in or with a mounting pattern of 200 x 200 mm to 1100 x 700 mm. The tilt version offer up to 10 degrees of continuous tilt, a low-profile design, post-mounting leveling adjustment system, and built-in lateral shift for optimizing your installation location.



- Mounting kit includes wood, concrete and steel stud attachment hardware
- Built-in lateral shift
- Open design for easy cable and electrical access
- Post-installation leveling system
- 10 degree of continuous downward tilt

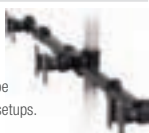
AVAILABLE TILT MODELS: P2642T (UP TO 130LB), P4263T (UP TO 175 LB) & P5080T (UP TO 300 LB)
AVAILABLE FLAT MODELS: P2642F (UP TO 130LB), P4263F (UP TO 175 LB) & P5080F (UP TO 300 LB)

Multi-Monitor Mounts

Multiple Configuration Setups



Premier Mounts' multi-monitor flat-panel mounts are designed to be used for projects in many different markets such as security & surveillance, production, corporate, and education. With a variety of mounting bases, arms and mounting heads, these mounts can be configured to fit many different multi-monitor project designs and setups.



Multi-monitor configurations can be created with three mounting bases to choose from, single or multiple poles of varied lengths, and either fixed or articulating arms with single, dual or triple mounting heads. All components can be arranged in different ways depending on installation requirements and the desired number of flat panels.

Universal Projector Mounts

Support 10 - 350 lb Projectors



Premier Mounts is dedicated to providing the highest quality of both universal and model specific projector mounts. Premier' range of projector mounts support projectors from 10 lb. - 350 lb., include a variety of mounting options, come in different colors, available with model specific mounting plates and all are packed with user friendly features.



PDS-PLUS LOW-PROFILE MOUNT FOR PROJECTORS UP TO 75 LBS

The universal design fits many Premier adapters and accessories. Mounts to any 1.5 in. NPT pipe or directly to joist in either direction. Cables may be routed through center of the mount for a clean appearance.

- OSHPD and DSA approved (OPA-1787-07)
- Lock-It security hardware and leveling barrel provide strong protection
- Fits to standard 1.5 in. NPT or directly to structural surfaces
- Cable routing through body
- Slotted mounting base with six interchangeable legs (four long and two short) for a wide mounting reach
- Low profile universal projector mount may be mounted directly to a ceiling

Video Wall Carts & Stands



Precision design video wall mounts from Premier Mounts are intended to accommodate the user. The fundamental key design is modularity, mobility and serviceability allowing the user to choose the most beneficial configuration for the specified location, resulting in accelerated installation. As display technology continues to advance, Premier Mounts' state-of-the-art mounting hardware continues to compliment perfectly, providing behind the scenes, crucial support for high definition displays to support and maximize display functionality.



MOST COMMON CONFIGURATIONS

MVWS-2x2-4655	2x2 Video Wall Stand for 46" or 55" Thin Bezel Displays
MVWS-3x3-46	3x3 Video Wall Stand for 46" Thin Bezel Displays
MVWS-3x3-55	3 x 3 Video Wall Stand for 55" Thin Bezel Displays
MVWC-2x2	2x2 Video Wall Cart for flat-panels display from 40" - 60"

Swingout Wall Mounts

Extends Panels up to 26 in from Walls



These mounts have single or multi-jointed arms that allow the mounting head to swingout in a horizontal motion. Premier Swingout Arms can extend up to 26" from the wall and feature Premier' exclusive Radial Glide Technology™ for effortless tilt of nearly any flat-panel.



If you have multiple viewing angles and need to pivot or swing a flat-panel from left to right, these are the mounts for you.

Floor Stands & Carts

Accommodate Displays in Any Venue



Premier Floor Stands provide extremely stable support for displays up to 300 lb. (depending on model) and offer any number of viewing configurations including back-to-back displays, multiple displays and portrait or landscape orientations. Need a portable video wall? Just place two or more floor stands side-by-side and you are in business.



Premier Mobile Carts feature stable bases for rock-solid support and smooth casters for easy mobility. Tested to exceed UL standards, these carts can accommodate displays up to 500 lb. and mounts may be adjusted up or down, depending on the application. In addition, all mobile carts accommodate optional shelves and cover packs. Some even nest for easy storage in tight spaces!

Short Throw Mounts

Universal Short Throw Projector Mount Series



Short-throw projector mounts are designed to mount projectors on a wall, typically above an interactive whiteboard. An option audio system with two speakers, a 50W amplifier and a wall mounted volume control add the perfect sound to a classroom or training center.

EST100 SINGLE STUD SHORT-THROW PROJECTOR WALL MOUNT

The EST100 single stud short-throw projector wall mount features cable routing to discreetly manage signal and power cables through the arm. The mounting arm allows the projector to be mounted up to 30 in from the wall. Radial Glide, allows up to six degrees of smooth adjustment of the projector in any direction and for the projector to be positioned anywhere along the mount arm.



- Includes Lock-It security hardware with leveling barrel
- Install on a single stud, option dual stud wall mounting plate
- Cable management inside poles
- Fits most short-throw projectors
- Mount carriage slides along projector arm for screen size adjustments
- Includes universal projector mount

Video Wall Mounts



The LMV video wall mounts from Premier Mounts is designed to accommodate the user. The fundamental key design is modularity and serviceability allowing the user to choose the most beneficial configuration for the specified location, resulting in accelerated installation.

As display technology continues to advance, Premier Mounts' state-of-the-art mounting hardware continues to compliment perfectly, providing behind the scenes, crucial support for high definition displays to support and maximize display functionality.



The unique spring-loaded scissor arms allow the user to get easy access to displays mounted inside a large video wall array. Model specific spacers are available for all common video wall flat-panel displays.



Custom Mounts

Premier Mounts experienced custom-design team has all the expertise and resources you need:

- Full design capabilities
- Extensive 3D and 2D visualization tools
- Technical experts to advise on product design, installation, packaging, and safety requirements/certification
- Collaborative development process geared toward realizing customer goals as well as bringing new ideas to the table
- Detailed documentation from concept through finished goods
- Extensive library of previous projects to pull from to reduce time/expense of new projects
- Wide array of base and mass-market projects to pull from and reduce customizing needs
- Experienced team of in-house production specialists and rapid production equipment
- Asia based production resources to lower cost of large runs
- Worldwide logistical resources to facilitate distribution

Designing your custom mounts is an easy and smooth process.
Premier Mounts will:

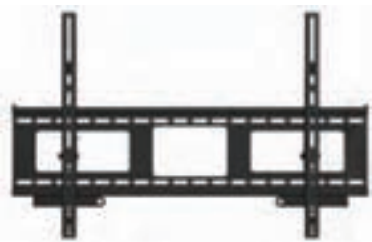
- Discuss your specific needs, define a product and review initial sketches and specs.
- Outline estimated costs and work with your budget.
- Zero in on final specs and authorize manufacturing based on your reviews and input.

Once manufacturing and product testing are complete, you will receive your custom shipment complete with installation and training.



UT-PRO310

Universal Tilt Mount for 37" to 63"
Flat Panels



The UT-PRO310 adjustable universal tilt mount is designed for large flat panel displays up to 200 lbs (91 kg). The adjustable "Touch and Tilt"® range is -10 to 20 degrees. The self-locking "Touch and Tilt" adjustment allows simple "hands only" movement of the screen, even when in place on the wall. Wall attachment is to two or three wood studs up to 32" apart or in a 32" concrete span. The 310 Series also supports Pioneer Elite and Sharp 70-80" LEDs.

- A very slim design, only 2.5" deep, yet allows ample room for cables
- Universal design; no additional panel adapter needed
- One piece mounting plate with large openings for cable access and J boxes
- VESA compliant: 75, 100, 200, 400, 200 x 100, 600 x 400, 800 x 400
- Post assembly vertical adjustment
- All panel and wall mounting hardware included
- Includes security hardware and accepts padlocks
- Manufacturer's limited lifetime warranty

FULL LINEUP

UT-PRO210	24" - 46"
UT-PRO310	37" - 63"
UT-PRO410	60" - 100"



STFL

Ultra Slim Large Tilt Mount



The new Patent Pending Superflat Tilt wall mount is designed to mount LED/LCD/ Plasma Flatscreen TVs at less than 1" from the wall.

- VESA from 100 x 100 to 800 x 400
- Up to 15° tilt
- Patent Pending Touch-Tilt as well as V-Bar technology
- Simple and safe complete mounting solution
- All screen and mounting hardware included

FULL LINEUP

STFL (TILT/LARGE)	UP TO 120 LBS / VESA FROM 100 X 100 TO 800 X 400
STFM (TILT/MEDIUM)	UP TO 80 LBS / VESA FROM 100 X 100 TO 400 X 400



SAM

Ultra Slim Articulating Mount



An ultra slim articulating mount which extends from a mere 1.75" when fully collapsed, up to 18.75" from the wall to provide an optimal viewing experience from any room position. The modern design of the articulating arms are constructed from high quality aluminum extrusion that is durable yet aesthetically pleasing. With the consumer in mind the SAM comes fully assembled and incorporates features that make for easy installation.

- Supports Flat Panel Displays 26"-46" up to 80 lbs (36.3 kg)
- Supports all VESA patterns from 100x100 to 400x400
- Up to 15° tilt and ± 90° swivel when extended
- Full cable management
- All screen and wall mounting hardware included
- Manufacturer's Limited Lifetime Warranty

FULL LINEUP

SAL (LARGE)	33" - 63" UP TO 120 LBS
SAM (MEDIUM)	26" - 46" UP TO 80 LBS



UA-PRO210

Medium Articulating Mount



The UA-PRO210 is an extremely flexible, articulated and retractable wall mount for medium flat panel screens. Heavy duty dual-arm designed for maximum extension, flush folding to the wall, viewing from any room position, inside corner and around corner mounting. The UA-PRO210 attaches to a wood single stud and concrete or aggregate walls with included hardware.

- Fits screens from 24" to 46"
- Max. load 100 lbs (45.4 Kg)
- VESA 100x100 to 400x400
- Extends up to 24" from the wall
- Removable arm inserts for complete and easy cable management
- Attractive end caps conceal tensioning hardware
- All screen and mounting hardware included Manufacturer's Limited Lifetime Warranty

FULL LINEUP

UA-PRO210 (MEDIUM)	UP TO 100 LBS
UA-PRO230 (LARGE)	UP TO 125 LBS
UA-PRO310 (EXTRA LARGE)	UP TO 150 LBS



UPR-PRO200

Ceiling Projector Mount



ProMounts' flexible and adaptable UPR-PRO200 projector ceiling mount is a mounting solution with innovative design and proven quality. It is compatible with most projectors on the market and can support units up to 33 lbs. It comes pre-assembled, so all you have to do is mount it to the ceiling and install your projector. The mount is adjustable from 11.4" - 32" and features a cable channel for a clean, finished look.

- Universal Compatibility with most projectors in the market, supporting projectors up to 33 lbs.
- Easy installation
- Pre-assembled
- Quick Projector disconnect/reconnect
- 360 degrees of rotation with more than +/-20 degree tilt and roll Adjustable-height from 11.42" to 32" (290mm-810mm)
- Cable-routing channel for a clean look



UPR-PRO150

Flush Ceiling Projector Mount



Secure your projector with ProMount's UPR-PRO150 user friendly mount and conduct your presentations with great confidence. The UPR-PRO150 universal projector mount combines functionality and durability in a stylish package, making it the perfect mount for multiple LCD and DLP projector models. This flush ceiling mount can be installed in both commercial and residential environments. It provides everything you need for a quick, easy installation, low-profile look and hassle free projector maintenance.

- Universal Compatibility with most projectors in the market, supporting projectors up to 33 lbs
- Easy installation
- Pre-assembled
- Quick Projector disconnect/reconnect
- 360 degrees of rotation with more than +/-20 degree tilt and roll

AVAILABLE IN BLACK AND WHITE

Security Cameras

ICREALTIMESM ICR-100X Dome Camera 10X Day & Night Mini PTZ Color Camera

The ICR-100X is a 500TVL color PTZ dome camera that integrates a weatherproof housing, 360 degree high-speed pan and tilt base, and 10x optical zoom lens. This is a Mini High Speed dome that will out perform any dome that you have seen before. The ICR-100X has DSS (Digital Slow Shutter) which produces unparalleled low light viewing. It is vandal proof as well as fully weather proof and can be used indoors/outdoors. The unique construction enables it to be surface, flush or wall mounted.



- 1/4" Sony Color CCD with 410K(NTSC) and 470K(PAL) pixels
- Auto focus 10X optical and 10X digital zoom
- Day & night with IR Cut Filter and DSS
- 360° continuous rotation
- Clear image of 500TV lines (B/W: 570TV lines)
- Noiseless low light image with SNDR
- Excellent Impact-Resistant and Rain/Wind-Proof Design
- 8 group tours, 8 patterns (Total 480 seconds)
- Auto flip function, Auto scan, Privacy zone and Alarm on action

ICREALTIMESM ICR-150 Bullet Camera Weatherproof Color IR Bullet Camera

This is ICR's most versatile camera. It can be used in almost any application, indoor or outdoor. It is IP55 and fully weather and crush resistant. It possesses the latest in IR (infrared) technology, with blue long range IRs capable of seeing in 0 lux up to 60 feet.



- 1/3" SONY COLOR CCD
- 3.6mm fixed lens
- 480 TV Lines
- Built-in Weatherproof Audio Microphone
- IP55 Weatherproof Standard
- Water, Dust and Crush Resistant Glass Coating
- Long range IR LED Automatically Illuminates in dark
- Top or Bottom Mount
- 1.2V 1Amp Power Transformer included

ICREALTIMESM EL-8000 Bullet Camera Super Night Vision Outdoor Camera

The new, feature-rich EL8000 brings more than cutting-edge style. It also brings you the power of sWDR with an integrated Active Infrared system. With the built-in 30X (f3.3~99mm) optical zoom lens and 10X digital zoom function, the camera provides 300X of zoom capability. Users can utilize the RS-485 interface remotely to manipulate the zoom as well as all of the cameras internal functions via the DVR.



- Digital Zoom Camera Module (Optical 30x plus Digital 10x)
- High performance 1/4" Sony Super HAD CCD
- High resolution of 520 TVL at Day / 570 TVL at Night
- IR Sensitive Mechanical Day/Night filter System - built-in (ICR)
- Greatly Enhanced Sensitivity of 0.0007 Lux at F1.6
- DSS with Sens-up (2X - 128X)
- Dynamic Noise Reduction (DNR)
- 6 x Active SS (Spread Spectrum) IRs for 150ft Illumination
- 30X Optical Auto Focus Zoom (3.3mm ~ 99mm)

ICREALTIMESM MC-1 Mobile HD Camera High Resolution Rugged Mobile Camera

This is ICR's most versatile camera specially designed for Mobile DVR applications. It can be used in almost any mobile applications, indoors or outdoors. It is IP66 and fully weather and crush resistant, and it possesses the latest in IR (infrared) technology, with blue long range IRs capable of seeing in 0 lux up to 50 feet. It has a built in audio microphone and an easy top or bottom mount. The ICR-MC1 comes with a SONY 1/3 inch Super HAD high resolution sensor that provides 520 TVL at day & 540 TVL at night. It comes with a 3.6mm (optional 4mm, 8mm, 12mm) fixed lens.



- 1/3" Super Sensitive Color CCD
- Built-in Microphone
- Rugged Diecast Aluminum Body
- Entirely prevents vibration from vehicle and road
- High Resolution of 520 TVL (Color at Day) and 540 TVL (B/W at Night)

ICREALTIMESM EL-700 Box CCD Camera High Resolution Day/Night CCD Camera

The EL-700 is a 540TVL day/night CCD box camera. It has a 3 layer IR filter resulting in true color reproduction and improved picture quality overall. The EL-700 incorporates an easy to use OSD menu (on screen display) to adjust advanced camera settings to different applications. This makes the initial setup quick and easy. The EL-700 can see full color in 0.0002 Lux (Sens-up) and can be paired with any vari-focal lens.



- 1/3" SSNR II Sony Super HAD CCD
- CS Mount Lens Capable
- Highly enhanced resolution of 540TVL (Day) & 570TVL (Night)
- 0.3 Lux /F1.2 (50IRE, AGC High, DNR High) / 0.0002 Lux (Sens-up)
- Wide range of Automatic White Balance (1,800°K ~ 10,500°)
- Dual switching power (w/Auto Line-lock) DC12V/AC24V
- 3 Layer IR Filter

ICREALTIMESM EL-400PIXIM Dome Camera Day/Night PIXIM WDR HD Dome Camera

The EL-400PIXIM dome provides a number of technical improvements in picture quality for viewing areas of extreme dynamic lighting conditions. It is powered by Pixim's Ultra Dynamic Pixel system. This PIXIM technology overcomes an over-exposure problem against strong back-light situations. As each pixel acts as a camera, the picture taken by one pixel does not affect the picture quality captured by other pixels. Based on this technology, the EL-400PIXIM delivers a very high quality, high resolution and very accurate picture.



- High performance 1/3" Pixim WDR digital imaging
- 3.3-12mm Aspherical Extra-Low Dispersion Glass Vari-focal Lens
- High resolution of 540 TVL at Day / 560 TVL Night
- Greatly enhanced Sensitivity of 0.03 Lux at F1.2
- Super Wide Dynamic Range (SWDR)
- Dual-voltage power supply (with auto line-lock) DC12V or AC24V
- 3 layers of IR filter
- Mechanical IR filter eliminates color interference in the night

DVRs



Max Series DVRs Ranges from 4 - 16 Channel Models

IC Realtime's MAX series of DVRs come in a range of 4, 8 and 16 channel platforms. They are designed to provide an economical solution without sacrificing operational and recording quality standards.

The MAX Series DVR uses H.264E (Enhanced H.264) compression technology based on the embedded high speed microprocessors and embedded Linux operation system. This compression allows for clean viewing on the Internet over narrow bandwidth and dramatically increases storage space. This digital video recorder contains advanced web access, system integration and synchronized audio and video recording features that are suitable for various types of home and professional installations: stores, warehouses, homes, government agencies, education facilities, etc.

Model #: MAX4	4 Channels / 120 FPS
Model #: MAX8	8 Channels / 240 FPS
Model #: MAX16	16 Channels / 480 FPS

Flex Series DVRs Ranges from 4 - 16 Channel Models

The ICR Flex Series DVRs come in 4, 8, 16, 32 channel platforms. With H264 compression and a design build that includes the dual-core CPU, ultra-fast video processors and 1000M Network card, image recording and transmission over the internet is seamless, fast, efficient and stable.

Incorporating a "user friendly", "help assisted" graphic user interface (GUI), configurable through Mouse, IR Remote Control, Front Panel or over a network, the Flex DVRs are engineered for ease of installation, maintenance and general use. The Flex DVRs record at 30 FPS D1 (NTSC) with synchronised audio recording. These systems provide full D1 resolution (704 x 480) recording video images that are visually "Crisp & Clear" and delivering enhanced levels of quality for precise data review and evidential data submission.

Model #: DVRFLEX4E	4 Channel / 120 FPS
Model #: DVRFLEX8E	8 Channel / 240 FPS
Model #: DVRFLEX16E	16 Channel / 480 FPS
Model #: DVRFLEX32E	32 Channel / 960 FPS

Elite Series DVRs Ranges from 4 - 16 Channel Models

The New Elite DVR series (4/8/16 Channel) provide realtime recording at full 960H resolution, plus synchronized audio at every channel. The Elite series DVR uses H.264E (Enhanced H.264) compression technology based on the embedded high speed microprocessors and embedded Linux operation system. This compression allows for clean viewing on the Internet, over narrow bandwidth and dramatically increases storage space.

The ELITE DVR records at 30 FPS 960H (NTSC) with synchronized audio recording. These systems provide full 960H resolution recording video images that are visually "Crisp & Clear" and delivering enhanced levels of quality for precise data review and evidential data submission.

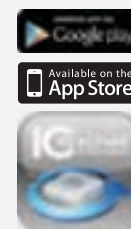
Model #: DVR4D30X	4 Channel / 120 FPS
Model #: DVR8D30X	8 Channel / 240 FPS
Model #: DVR16D30X	16 Channel / 480 FPS

ICREALTIMESM App

IC Realtime ICRSS Pro

Access and control IC Realtime DVR cameras/IP Cameras directly from iPhone, iPad or Android device. Watch and listen live surveillance video streams - quickly and simply.

- Stream live video directly from your security devices
- Remain secured with username/password authentication
- Support of 32-ch DVR
- Supports multi-window view (up to 16 on iPad)
- Supports live audio & two-way audio
- Supports bidirectional talk
- Supports multiple DVRs and control over PTZ cameras
- Take snapshots of live streaming video
- Supports multi-channel playback, D1 Extra stream liveview, MJpeg liveview



Collaborative AV Systems for Workspaces



Under Table 8x4 Matrix Switcher

UT250-101

The UT250-101 is an 8x4 VGA Computer Video and Audio Matrix Switcher designed to be mounted under a table as part of an integrated audiovisual system. The UT250-101 provides great flexibility for routing multimedia signals from a single, convenient location.



- 8 computer video inputs
- 8 stereo inputs converted to mono audio
- 4 VGA video outputs
- 1 balanced mono audio output
- RS-232 control
- Contact closure control "Show me" buttons with LEDs
- 4 - Twisted Pair outputs that transmit both video and audio signals

Tilt 'N Plug® Jr. Tabletop

Interconnect Box w/ 2-Button Display Select for UT250-101

TNP221 is a single input interface that provides VGA (15pin HD F-M), computer/MP3 audio (3.5mm F-M), network (RJ-45 F-M), USB (F-M) and a single AC Power (NEMA 15R) connector. This interface is designed specifically to work with the UT250-101.



- Works Seamlessly with UT250-101 Under Table Switcher
- Mounts into Tabletop; Provides Single Input Plate w/ Control
- Opens/Closes by Pressing on Top Panel
- Multimedia, Data, & AC power connectors
- Cables Hidden Under Table

Ethernet Based AV Control Solutions

Neutron 1RU Ethernet-Based AV Controller



Extend the capabilities of our MultiTouch touch panels and panels with Altinex IP-based audio-visual controllers. The CP500-100 Neutron Controller is a 1RU rack-mount Ethernet-based controller with (8) RS-232 bi-directional ports, (8) IR ports, (8) relay ports, and (8) sensor ports.

- Compact 1RU Rack Mount Design
- Powerful (8 Bi-Directional RS-232, 8 IR, 8 Relays, 8 Sensors)
- Ethernet controlled
- Open Architecture (published command set)
- Compatible with most popular Touch Panels
- Ideal for use in installations where the various components must interact, including boardrooms and presentation spaces, lecture halls, residential control systems, and operations centers.

- Supports Altinex Multi-Touch touch panels and AVSnap control software.
- Includes a 12V DC power supply with IEC connector.
- Sensor inputs accept sensor output voltages up to 24 VDC. Each sensor input has an independent trigger level setting that can determine if a sensor has been "tripped" or "activated", based on movement, occupancy, etc.—depending on the sensor type.
- Using an IR receiver such as the Altinex AC301-103, a user can aim a remote control at a wall mount or other receiver and then automatically redirect the remote control's signal to the IR emitters connected to the two output pins of the controller.

Interfaces



ALTINEX interfaces perform three main functions: (a) Adapting the physical connector type between a computer and a display; (b) splitting and amplifying video signals; and (c) processing the sync portion of a computer video signal, making it compatible with a display device.

SR208-100

VGA To VGA Video Scaler With Fixed Output Resolution

The SR208-100 is a PC to PC Scaler and is designed to upscale (or down-scale) a standard PC video input to any of several popular PC/HD resolutions. In applications where there are many different input sources such as laptops interfacing with a fixed monitor or projector, the SR208-100 converts any of these sources to a single output resolution that is best for the display device.



- VGA local monitor loop
- Automatic scaling of all input signals
- Outputs VGA and HDTV resolutions
- Simple setup and configuration
- Ideal for fixed resolution monitors

VP500-100

HDMI to VGA converter with full HDC

The VP500-100 works both with HDCP and non-HDCP sources. When source is non-HDCP (which are typically PC or Laptop) the VP500-100 converts signal at full resolution. When Source is HDCP (which are typically Blu-ray disk or HD programming) then VP500-100 reduces the number of colors and resolution of the output signal.



- HDCP compatible with embedded keys
- Compatible with HDCP and non-HDCP sources
- Connects directly to display 15-pin HD input
- RGB resolutions up to 1920 x 1080/60Hz
- Analog and digital optical audio out
- Compact form 2.8 x 1.7 x 0.8
- Power over HDMI or external adapter

Digital and Analog Distribution Amplifiers



Dedicated AV Solutions include a variety of products for simplifying AV installations. In conjunction with the MultiTasker product line, these products provide a simple and effective way of building many simple and complicated AV systems. Each product in this series is designed for a specific application to minimize cost and improve ease of installation.

DA1907LX

1-In 2-Out VGA Distribution Amplifier

The DA1907LX (Ditto-Amp) is a high resolution, 1-in 2-out Distribution Amplifier designed to allow the connection of a single VGA-UXGA source to up to two scan-rate compatible displays. Very high-resolution video signals are able to pass without degradation in the image quality.



- Two Buffered Outputs
- Ideal for use with LCD/Plasma/DLP Projectors
- VESA DDC (EDID) pass through output #1
- Compact Design
- Solid Metal Enclosure
- PNP internal/By-pass
- External Power Supply (9V 280mA) Included
- Includes: (1) power adapter, 3 ft/1m male-to-male VGA cable

DA103-301

1 in 2 out HDMI Distribution Amplifier

The DA103-301 is an HDMI 1 x 2 distribution amplifier, often called a "splitter". This is a HDMI V1.3 device with embedded High-bandwidth Digital Content Protection (HDCP). This product enables one HDMI device to present simultaneous feeds to two separate HDMI displays with computer resolutions up to 1920 X 1200 and HDTV formats 480p to 1080p at distances up to 40 feet on each input and/or output.



- HDMI Certified and HDCP Compliant
- Computer video up to 1920 X 1200
- HDTV video 480p - 1080p
- Supports Deep Color Video and Digital Audio
- 3 ft High Speed HDMI M/M Cable (CB470-003)

Twisted Pair Extenders

Computer/Component Video + Audio UTP Transmitter

The latest generation of Twisted Pair devices uses an innovative, patented technology developed by ALTINEX. The new signal processing technology allows transmitting and receiving fully equalized computer video signals, stereo, and audio signals over long distances.

The TP115-110 provides transmission of computer video and audio signals over a Twisted Pair-type (CAT5) cable when used together with an ALTINEX Twisted Pair receiver, such as the TP115-111. Stereo audio input is received via the 3.5 mm jack and is converted to mono prior to transmission over the CAT5 cable. The TP115-110 is lightweight, streamlined, and easy to use. This unit offers video equalization for up to 800ft (244m) and the signal detect feature shows when a signal is present.



- Audio - Mono, Audio bandwidth 20Hz to 20KHz
- Horizontal Frequency range 15KHz to 95KHz
- Vertical Frequency range 50HZ to 180Hz
- Compact and cost-effective
- Uses external power supply



Integrated AV Solutions for Education / Boardroom

Showtime 2800 Integrated AV System

Showtime is an entire audio-visual automation solution for multimedia-enabled classrooms utilizing the existing projection and source devices, such as, DVD players, VCRs, document cameras, and video conference equipment. The system includes sound reinforcement with an integrated amplifier, speakers, and support for a microphone input. In addition to electronics, the system also includes all necessary cables — all in one box! Showtime systems are designed to give educators a powerful — yet affordable — multimedia-rich classroom.

The Showtime 2800 system supports (4) computer sources via VGA and (4) composite video each with its associated stereo audio. The system includes sound reinforcement with an integrated amplifier, speakers, support for a microphone input, and all necessary cables.



Encore Presentation Switcher

Modular, Scalable Presentation Switcher

The Encore Presentation Switcher is the most advanced video processing and presentation control system on the market today. The system provides source selection, automatic source acquisition and configuration, advanced windowing features, seamless switching, video effects and integrated control for professional video presentations. Encore's modular, scalable architecture allows the system to support a wide variety of show configurations. The system can efficiently support from 1-32 screens with any combination of independent display or seamless wide-screen display elements.



The basic Encore configuration supports six independent picture-in-picture (PIP) or key layers, or three transitioning PIP images. It fully supports seamless transition effects, Z-order control, window borders, drop shadows and a variety of keying effects.

Each input board on the Encore provides two independent scaler channels with universal inputs that handle both analog and digital video sources.

The unit features 1:1 pixel sampling, motion adaptive de-interlacing for both standard and high definition sources, 3:2 and 2:2 pull down detection, low video delay, aspect ratio correction, real-time window manipulation. The Encore is an excellent solution for large blended widescreen applications.

- Supports up to 12 independent windows or 6 windows with seamless transitions
- (2) Native high resolution background channels provide background video with seamless transition effects
- Athena proprietary high-performance scaling
- Low video delay - less than 3 input fields
- Z-order control (priority layers) for overlapping PIP or key images
- Each mixer layer is dynamically re-assignable as a mixing (transitioning) PIP, or as two individual (SPLIT) non-transitioning PIP or key images.
- Still frame : frame grab of background and downstream key sources
- Complete look-ahead preview
- On-screen display (preview monitor) of layer information and status
- Supports blended widescreen projection
- Output synchronization: free-run or vertically locked to NTSC/PAL blackburst
- Edge blending
- 3G/HD/SD SDI output

ScreenPRO-II HD with EOC

Multi-Layer Video Display System

ScreenPRO-II uses four image layers (unscaled background, up to two scaled PIPs or keys, and an unscaled downstream key) to produce sophisticated effects, including live transitioning backgrounds, transitioning PIP windows, wipes, dissolves and keys. An internal 8x2 analog video router provides universal analog sources to each scaler channel. Barco's ScreenPRO-II features a low video processing delay of three input fields maximum.



With the EOC, the ScreenPRO-II can use the DVI background channels as inputs to the scaler channels, adds HD-SDI and interlaced output for recording, and can have storage for 100 logo stills.

- Transitioning PIP or key on a transitioning background
- Native high resolution background channels independent of the PIP/key processing channels
- Numerous mix and wipe effects
- Video processing
- Low video delay - less than 3 input fields
- Programmable matte
- Z-order control (priority layers) for overlapping PIPs or keys
- Mixer dynamically re-assignable as a mixing (transitioning) PIP or as two individual (split) non-transitioning PIPs or keys
- Capture and storage of two LOGO images for use as full-screen image or downstream key source
- Look-ahead preview
- Output synchronization: free-run or vertically locked to NTSC/PAL blackburst, CSync or HD tri-level sync
- Architecture supports future addition of optional output modules (for example, a recordable output)

DCS-100 & DCS-200

Dual-channel True Seamless Switchers

Both DCS solutions are dual-channel scaling switchers designed to provide true seamless switching between different input sources and formats, while maintaining superb image quality at an affordable price. They have been designed for straightforward and simple operations, which makes them ideal seamless switchers for live events, the corporate world, houses of worship, education and more. Building on the quality and economy of the DCS-100, the DCS-200 adds an independent and highly flexible preview output to the system.



The DCS-200 is a dual-channel switcher designed to provide true seamless switching between different input sources and formats, while maintaining superb scaling quality at an affordable price. It has been designed for straightforward and simple operations, which makes it the ideal seamless switcher for live events, boardrooms, hotel ballrooms, houses of worship, lecture halls, training facilities and more.

- HDCP Compliant
- Up to WUXGA Compatible
- Includes Output Preview (DCS-200 only)

ImagePRO-II

All-in-One Video Scaler, Scan Converter and Switcher

ImagePRO-II is an advanced high performance all-in-one video scaler, scan converter, switcher and transcoder converting any input signal format to any output format. ImagePRO-II supports Universal Analog, DVI single and dual link, HDMI, DisplayPort and SD/HD/3G SDI signal formats. Loop-through outputs are provided for the Analog, DVI and SDI input and genlock signals. With features like HDCP and EDID management, USB back up and restore, multiple video effects and web page interface, ImagePRO-II is the most advanced and flexible signal processor in the rental and staging industry making it the best suitable solution for your live event.



Incorporating the 5th generation of the Athena scaler - Barco's custom-designed image processing technology, ImagePRO-II supports higher resolutions, higher frame rates, higher quality de-interlacing with advanced Motion Adaptive processing, faster source acquisition, better color depth and native support for all the latest computer formats. As formats and interface requirements frequently change, the Athena scaler is built to be adaptable, providing superior signal clarity while maintaining a low processing latency of only one frame.

INPUTS/OUTPUTS

- Dual-link DVI/HDCP I/O
- 3Gbit HD-SDI I/O
- HDMI/HDCP I/O
- DisplayPort/HDCP I/O
- Universal analog I/O
- Loop-through on DVI, SDI & analog inputs

USER INTERFACE

- ImagePRO-3G front panel control
- Web browser & tablet remote control
- Encore suite of controllers
- LED setup and configuration

PROCESSING

- 12-bit processing
- Resolution up to WQXGA (2560 x 1600)
- Frame rate up to 120 Hz for 1080p
- System configuration and restore via USB

FSN Series Multi-Format Switchers

3G-Ready Production and Presentation Switcher

Barco's FSN series is a high-resolution 3G ready switcher that combines advanced multi-format production and presentation switching in one highly integrated unit. The FSN integrates input conversion, multi-viewing, digital video effects and output conversion into a single 6 RU chassis.



By seamlessly integrating multiple video and computer graphics formats on a common platform, the FSN series provides a streamlined package that's modular, easy to operate, and easy on your budget. The FSN allows control of two full mixer-effect (M/E) busses from its control panel as well as the program mixer. Additional auxiliary output cards can be installed for up to 16 AUX outputs, 8 additional mixers, or multi-format outputs and blending.

- Integrated 16-channel multiviewer
- Four keyers and DSK
- 2.5 M/E control with a compact console
- Advanced memory section with "Enables"
- 3G ready
- Less than 3 lines delay for native sources
- Control panel with production switcher layout
- Hot-swappable active cards and fan tray
- Multiscreen and widescreen support
- Internal widescreen blending support
- Seamless AUX switching
- FSN-1400 dual redundant power supplies

MatrixPRO 8 X 8 DVI

8x8 DVI router matrix switcher

The MatrixPRO 8x8 DVI router switches any of the eight DVI inputs to any or all of the outputs. Each channel can be programmed with unique EDID information based on the system requirements. This information is also available to external sources, even when the unit is turned off. Each input is re-clocked as it passes through the router, maintaining the DVI signal strength and each output channel can also display an internally generated test pattern. The MatrixPRO 8x8 DVI router accepts inputs up to 2048 x 1080 (including all HD) resolutions.



The unit is controlled from the built-in front panel, the MatrixPRO remote panels, the MatrixPRO software and the Encore and ScreenPRO-II controllers. The front panel includes an easy to read VFD display and a knob for simple navigation of the menus.

- Programmable EDID per channel
- Built-in test pattern generator
- All inputs re-clocked to maintain signal strength
- Green light positive signal indicator per input channel

CONTROL YOUR MESSAGE

with your iPhone® or iPad®



Kramer ProScale™ digital scaler/switchers are the perfect combination of performance and value to be at the heart of any high quality worship AV system. Now, you can control our scaler/switchers with an app developed to be run from an iPhone® or iPad®.



For more information on Kramer Products please visit our website at www.kramerus.com or call us at 1-888-275-6311.

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iPhone and iPad is a trademark of Apple®, Inc.

VP-728

9-Input ProScale™ Presentation Scaler/Switcher



The VP-728 is a 9-input scaler/switcher for analog and digital video, unbalanced stereo, and S/PDIF audio signals. It scales any video signal composite, S-Video (Y/C), component video (YUV), HDMI, computer graphics video and JPEG files up or down to a selectable graphics or HDTV output resolution via HDMI or 15-pin HD outputs. It provides glitch-free switching between sources through FTB™ (fade-thru-black) switching technology.

- HQV® Video Processing
- Fade-Thru-Black Switching
- Picture-in-Picture / Picture-and-Picture
- Universal Video Inputs – Each on 3 RCAs
- HDTV Output – Up to 1080p
- Computer Output – Up to 1920 x 1200
- Audio Inputs/Outputs – 4 (Stereo or S/PDIF)
- Audio Delay – 0–340msec
- Embeds & De-embeds HDMI Audio
- Control – RS-232 & IR

VM-2HxI

1:2 HDMI Distribution Amplifier



The VM-2HxI is a distribution amplifier for HDMI signals. The unit reclocks and equalizes the signal and distributes it to two identical outputs.

- Max. Data Rate - 2.25 Gbps
- HDTV Compatible
- HDCP Compliant
- HDMI Support - HDMI (V.1.4 with Deep Color, x.v.Color™, Lip Sync, CEC)
- 3D Pass-Through
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal integrity to travel longer distances
- Active Output LED
- Compact DigiTOOLS® - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter

PT-572+

HDMI over Twisted Pair Receiver



The PT-572+ is a DGKat™ twisted pair receiver for HDMI signals. The PT-571 converts an HDMI signal to a single twisted pair signal and the PT-572+ converts the twisted pair signal back to an HDMI signal. DGKat™ Signal Integration is Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables; we strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.

- Max. Data Rate - 1.65 Gbps
- HDTV Compatible
- HDCP Compliant
- HDMI Support - HDMI (V.1.4 with 3D, Deep Color, x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD)
- 3D Pass-Through
- System Range - Up to 90m (295 ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BC-DGKat524 cable. Up to 90m (295 ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC-DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295 ft) at 1080p on shielded BC-DGKat7a23 cable
- EDID PassThru - Passes EDID signals between the source and display
- Status LED - Lights red when receiving power only, orange when output and power are attached, and yellow when both an active input and output are attached
- Power Connect™ System - A single connection to the transmitter or the receiver powers the system when the devices are within 270ft (90m) of each other
- Ultra-Compact Pico TOOLS

TP-582R

1:2 HDMI + Bidirectional RS-232, Ethernet & IR over Twisted Pair Receiver



The TP-582R is a high-quality twisted pair receiver for HDMI, Ethernet 100BaseT, bidirectional RS-232 and IR signals. The TP-582T selects one of two HDMI inputs, and converts it with the Ethernet 100BaseT, RS-232 and IR input signals to a twisted pair signal. The TP-582R converts the twisted pair signal back to Ethernet 100BaseT, RS-232, IR and two HDMI outputs, and de-embeds the audio to S/PDIF and TOSLINK® audio outputs.

- Max. Data Rate - 2.25 Gbps
- HDBaseT Technology
- HDTV Compatible
- HDCP Compliance
- HDMI Support - HDMI (V.1.4 with Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS-HD, CEC).
- 3D Pass-Through
- EDID PassThru - Passes EDID signals between the source and display.
- Bidirectional RS-232 Interface - Commands and data can flow in both directions via the RS-232 interface, allowing status requests and control of the destination unit.
- Ethernet Interface - Passes 100BaseT.
- System Range - Up to 100m (330ft).
- Indicators - Status LEDs for input selection, output, link and power.
- Compact MegaTOOLS® - 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-T2B universal rack adapter.

IS-SPX-1000 Inspired Signage XPress Player

Inspired XPress is tailored for organizations that desire to manage all aspects of their digital signage including content creation. Inspired XPress features a simple, intuitive software interface that allows staff to quickly create templates and content, and then publish content to SPX-1000 players which are small enough to mount behind any display. Content design is fluid, similar to a web page.



Ideal for digital signage applications where the player must be mounted behind the display or in a confined space like a kiosk or video wall, Inspired XPress has the power to deliver dynamic information to customers of retailers, hotels, banks, event venues and other public spaces in multiple languages.

Ask us
how to get a
free 30-day trial of
the Inspired XPress
software. Create and
preview content
before you buy!



- **Flexible Data Integration** - Inspired XPress supports RSS Feeds for News, Weather, Sports or any other data that can be obtained via a RSS Feed for up-to-the minute information
- **Supports Wide Variety of Graphic Types** - The design aspect of the software tool allows use of content already developed such as JPEG, PNG, GIF, and SVG for still image format and MPEG-2, MPEG-4, H.264, WMV 9 for SD motion video as well as importation of PowerPoint presentations
- **Multiscreen** - Create a multiscreen signage wall by time synchronizing multiple SPX-1000s and creating a project that spans multiple displays (requires one signage player per display)
- **Interactivity** - Use the signage player with a touch screen to create interactive displays
- **View Content Being Played** - From the SPX-1000 embedded web server an administrator can take a snapshot showing exactly what is playing on the connected display for status or reporting purposes
- **HDMI and VGA Outputs** - The SPX-1000 features 2 video output connections, one digital and one analog. Both outputs can be active at the same time, allowing the unit to feed two displays the same content simultaneously
- **Serial Control** - Use the serial port on the SPX-1000 to control the signage display

Rapid Project Maker

Design, configure and deploy AMX systems in less than an hour with Rapid Project Maker

RPM is a cloud-based configuration tool that allows AV technicians or IT professionals to easily configure an AMX system by using a step-by-step wizard-based approach. RPM simplifies more than just the configuration - it is a comprehensive tool designed to help throughout the process, from start to finish. With no programming required, the user can configure the project, create a user interface

and generate step-by-step instructions on how to install the system. Users can store their projects on AMX.com, allowing installers to access and manage them from anywhere.

Welcome to the revolutionary world of RPM, where time-consuming programming is a thing of the past.

- Cloud-Based Tool
- No Programming Required
- Configure Systems in Less Than an Hour
- Pre-Configured Systems
- Create, Save and Manage Projects Anywhere
- No Training Required
- Automatically Generates Project Documents
- Access Any Project Online



Television Distribution System

Digital Video Broadcasting over Ethernet

The AMX Television Distribution System is a line of Digital TV distribution products designed to transmit digital TV content over Ethernet using a multicast enabled LAN as opposed to a separate dedicated coaxial cable for an easy-to-implement digital TV solution. The AMX DTV Transmitters send a complete transport stream (MPEG-2) which can include multiple individual channels of live programming to an AMX DTV Receiver located at the large format display. When used with an AMX NetLinx Controller, the AMX Television Distribution System can also send control information over the Ethernet network allowing the ability to centrally manage the displays such as powering them on and off.



FEATURES

- Allows control, power and digital TV over one twisted pair cable, eliminating the need for coaxial cable runs and allowing the use of existing Ethernet infrastructure
- IR and Serial control at the receiver location allows for NetLinx control of the display (channel, volume and power on/off) and a handheld IR remote can be used to access the Electronic Programming Guide and change channels
- Includes administrative software which allows for selection of which incoming channels are broadcast out to the AMX DTV Receivers at the displays. The DTV-TX01-DVB-T and DTV-TX02-DVB-S Transmitters contain two tuners supporting two streams of content or up to 8 selected channels per tuner. The DTV-TX03-US Transmitter supports one stream or up to 8 selected channels

AMX MXT-700 7" Modero X® Series Tabletop Touch Panel



The Modero X Series is the most elegant family of interfaces designed specifically for dedicated room control. This new generation of touch panels is built for usability offering edge-to-edge capacitive touch glass with multi-touch capabilities.

It features advanced technology empowering users to operate AV equipment seamlessly, while providing the ultimate in audio and video quality. The distinctive appearance will complement even the most sophisticated meeting facilities and homes. With a lightning fast processor, brilliant graphics and enhanced capabilities, the Modero X Series is the control surface that simply delivers more.

FEATURES

- **Latest Communication Technologies** - Supports Near Field Communication (NFC) - short-range wireless technologies that deliver peer-to-peer communication by 'sharing, pairing and transaction' between RF devices like exchanging data/identities
- **Enhanced Usability** - External phone connections via Bluetooth or USB and HD video streaming
- **Graphic Leaps & Bounds** - The Modero X Series features intuitive UI functionality: gesturing, swiping, dynamic reordering and enhanced animation capabilities



NI-4100 NetLinx® Integrated Controller

The NI-4100 provides versatility with the ability to integrate the largest number of devices in the NI Series of Master Controllers, including projectors, lighting, DVD and Blu-ray players, thermostats and other electronic equipment. In these technology-driven environments, this solution allows for the future addition of more devices and control capabilities. With a perfect mix of compatible formats, the NI-4100 offers flexibility and customization for businesses experiencing rapid growth and for homes that demand seamless integration of technology and design. The NI-4100 provides higher performance with a faster processor, 64MB of onboard RAM and Duet-compatibility.



FEATURES

- 7 Configurable RS-232 / RS-422 / RS-485 Serial ports
- 8 Relays, 8 IR / Serial ports & 8 Digital I/O ports
- 3 Communication Networks: AxLink, ICSNet and Ethernet (TCP/IP)
- 4 NetLinx Control Card Expansion slots that support all NX control cards
- 404 MIPS processor speed
- 64 MB RAM or 256 MB RAM
- 2 GB CompactFlash (upgradeable to 4 GB)
- 1 MB Non-Volatile Memory
- AMX Device Discovery enabled

AMX Stereo Presentation Switcher AVS-SL-PR-0401-0601



The AVS-SL-PR-0401-0601 is a presentation switcher that features a total of 10 inputs and a programmable serial output for controlling projectors, plasma and LCD displays.

There are 4 wide-band computer inputs on HD-15 connectors and 6 S-Video inputs, each of which can be either composite or YC. Ideal for presentation and conference rooms, AV Rental Companies or any environment where a number of mixed source types need to be displayed.

FEATURES

- Inputs: 10
- Outputs: 1
- Video Type/Connector Style: 4 RGBHV, 6 S-Video
- Bandwidth: 350 MHz
- Stereo Audio
- Front Control Panel
- Programmable control of a display or projector which the switcher is feeding

Isys® 8.4" Wi-Fi Touch Screen

Digital Video Broadcasting over Ethernet

Sleek, rugged, and lightweight, the Isys TPMC-8X-GA from Crestron® is brilliantly designed to provide a powerful mobile control solution that's easy to hold and intuitive to use. This stylish Wi-Fi touch screen offers enhanced wireless performance, onboard multimedia and Web browsing, high-performance H.264 video, Rava™ SIP Intercom, and advanced Core 3 UI™ touch screen graphics. Its brilliant 8.4" SVGA display and high-powered speakers afford an amazing personal media experience on top of its astounding custom control capabilities.

A Crestron touch screen offers an ideal user-interface for controlling all the technology in your home, boardroom, classroom, courtroom, or command center. Touch screens do away with piles of remote controls, cluttered wall switches, and cryptic computer screens, simplifying and enhancing the way you use technology. Crestron touch screens are fully-customizable for

controlling home theater, multimedia presentation, audio, video, lighting, HVAC, and other systems, — with easy-to-use controls and icons, true feedback and real-time status display, full-motion video windows, and advanced navigation of digital media servers, tuners, and other devices.

Streaming video capability makes it possible to view security cameras and other video sources over the network right on the touch screen display. Native support for H.264 and MJPEG formats allows the TPMC-8X-GA to display live video images from Web cameras and servers such as the Crestron CEN-NVS200 Network Video Streamer. And, through its embedded Web browser and media player, it supports a wide variety of other streaming and downloadable video formats, enabling access to all kinds of content from media servers and Web sites like YouTube® and Netflix®.



Isys™ Wi-Fi Touch Screen Control Package AV2-TPMC-PAK

This complete Crestron® control package includes the TPMC-8X-GA Isys™ Wi-Fi Touch Screen with docking station/charger, 2-Series AV2 control system with Ethernet card, and (4) IRP2 IR probes. It is an excellent choice for both commercial and residential applications



DVPHD

High-Definition Digital Video Processor

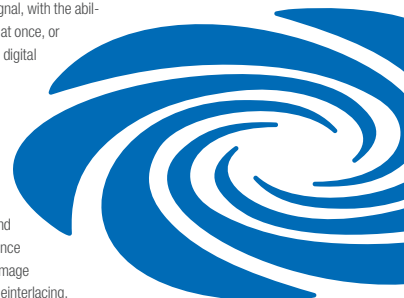


Envision a world class multimedia presentation system for your boardroom, auditorium, command center, home theater or house of worship. Picture all your video and computer resources displayed in perfect harmony and clarity within a dramatic graphical environment all on one high-definition screen. Imagine the ability to seamlessly control the presentation and annotate your ideas with a stroke of your finger.

The DVPHD is configurable to handle up to eight different inputs of virtually any type, including DVI, HDMI™, DisplayPort (Multimode), HD-SDI, and analog signals. Industry-leading support for HDCP ensures seamless compatibility with content-protected DVD, Blu-ray Disc™, digital HDTV, and multimedia computer sources. Advanced high-definition image processing achieves astounding realism and detail for every input signal, with the ability to display up to eight separate video images at once, or seamlessly switch between them using alluring digital transition effects and customizable graphics.

On any sized display, whether viewing a full-screen image or multiple windows with graphics, the DVPHD scales its output perfectly to match your display's native resolution and aspect ratio. Exceptional image sharpness and resolution is achieved from SDTV, HDTV, and computer sources using Gennum Visual Excellence Processing™ with RealityExpansion™ 30-bit image processing and TruMotionHD™ fully adaptive deinterlacing.

The DVPHD displays up to 8 simultaneous, full-motion video windows on any high-resolution monitor, projector, or flat panel display. The video windows can be displayed on screen in any combination, with enhanced dynamic text capabilities for labeling each window. Video images can even fade or fly in and out over your own personalized background using digital transition effects and customizable Crestron Isys® graphics, lending enhanced flow and vibe to the total presentation. Each window is fully-scalable and independently controllable, allowing for display at any position, size, or aspect ratio.



QuickPack™ Classroom AV System Package

Wall Speakers, Ceiling Projector Mount, 3 Sources

Crestron® QuickPack™ systems provide educators with a simplified yet comprehensive classroom presentation solution that saves time and money. Designed to deliver the highest level of quality and convenience without eating up your AV/IT budget, QuickPacks™ assemble all the vital pieces needed to outfit your classrooms for an engaging experience.

QuickPacks make it easy and affordable to install a quality projection system in every classroom, ending the days of wheeling in the AV cart, or forcing students to squint at a tiny TV screen. Each QP-300 package includes a professional wall mount controller, a pair of high-performance surface-mount speakers with amplifier, a universal ceiling projector mount, wall plate inputs for (1) video and (2) VGA computer sources, cabling and connectors. Just add your choice

of video projector and screen and you've got a complete installed classroom presentation system. QuickPacks also integrate seamlessly with interactive whiteboards and wireless microphones.

Installing your QuickPack is as simple as hanging the projector, mounting the controller, speakers, and wall plates, and connecting each of the cables. The precision ceiling projector mount accommodates virtually any projector up to 50 lbs, and includes everything needed for installation in a typical 2x2 or 2x4 drop-tile ceiling or on a flat, solid surface. The controller and wall plates each mount in an extrude electrical gang box or trim ring. The plenum-rated cables are each provided with one end terminated and compression connectors furnished for the other, making it easy to cut the cables to length and pull through ceiling spaces and conduit.



CRESTRON MOBILE PRO

Control App for iPhone®, iPad® and Android™ Devices



Take full control of your home, office or boardroom from any Apple iOS or Android™ mobile device. The popular Crestron Mobile Pro® app turns a mobile device into a virtual Crestron touch screen. Using a wide variety of smartphone and tablet devices, Crestron Mobile Pro lets you control your home theater or whole-house AV systems, lighting, climate control, shades, security and other functions from virtually anywhere.

Open Platform Crestron Mobile Pro is engineered for scalability and open-platform compatibility. A system configured to work with an Apple device also works with Android, so all your devices work the same and every member of the family enjoys the same quality user experience.

Gestures Navigation Swipe, flip and rotate — gestures navigation has become the natural way we communicate and search for data on our mobile devices. Native to Crestron Mobile Pro, gestures navigation lets you browse through control menus, media playlists or AV sources with a simple finger swipe. Need to go widescreen? Simply rotate the device and the screen reformats automatically. Whether in portrait or landscape mode, everything you need is just a touch away.

Customizable Graphics Crestron mobile apps give developers a clean canvas on which to create stunning graphics and intuitive user interfaces. A truly customizable app, Crestron Mobile Pro allows GUIs from Crestron touch screens to be seamlessly transferred to mobile devices for consistent styling and functionality.

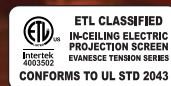
Global Connectivity Supporting Wi-Fi and mobile broadband network connectivity, Crestron Mobile Pro keeps you connected wherever you are. Even away from home you can turn lights on or off, let the repairman in, or check the security system to see if the kids are home. While you're on your way home, why not warm up the hot tub for your evening getaway? Whatever you need to control, Crestron Mobile Pro lets you do it remotely as if you were there.

Streaming Video View live video streams right from Crestron Mobile Pro — the perfect way to keep an eye on your home while away, see who's at the front door, or catch a glimpse of the baby's room. Most popular IP cameras and video streamers including the Crestron CEN-NVS200 enable the viewing of live video within the Crestron Mobile Pro user interface letting you simultaneously see and control what's going on.



Evanesce, Elite's Plenum rated in-ceiling projection screen

The Evanesce is a plenum certified integrated (in-ceiling) electric projection screen. It is encased in a white-finished aluminum housing for convenient installation. Control package includes IR and RF receivers, remote controls, RJ45 wire connection, 5-12 volt trigger and an external low-voltage 3-way wall switch.



- Integrated screen module ships fully assembled and ready to install
- Conforms to UL 2043 Plenum Certification for air-handling spaces
- MaxWhite FG (fiberglass backed) 1.1 gain matte white material
- IR/RF, and low-voltage Ethernet control package included
- 5-12 volt trigger synchronizes screen operation with the projector's power cycle
- Optional in wall up/down switch (Part# ZIW-W)
- 2-year manufacturer's warranty
- GREENGUARD® Indoor Air Quality and GREENGUARD® Children & Schools Certified



www.elitescreens.com

ELITE GREEN
Projecting a greener future



ELITE SCREENS Evanesce Series

Electric Projection Screen

SCREEN MATERIAL

- MaxWhite FG 1.1 Gain black backed matte white screen material is flat, durable, and easy to clean
- 160° wide-viewing angle for commercial and residential presentations
- Black masking borders enhance picture contrast
- Available in various diagonal sizes and aspect ratios
- Flame Resistant: Complies with NFPA 701 Standards

HOUSING FINISH AND INSTALLATION

- Disappearing in-ceiling design for non-dedicated media rooms
- Integrated ceiling projection screen ships fully assembled, ready to install
- Aluminum housing with white finish is strong and moisture resistant
- Tubular motor allows swift operation with a superior weight tolerance and operational lifespan

CONTROL SYSTEM

- Internal Radio Frequency/Infrared receivers with IR, RF remotes included
- Low voltage 3-way wall switch and in-wall RJ-45 module included
- Standard 5-12 volt trigger to synchronize screen operation with the projector's power cycle
- Optional in-wall up/down switch (part# ZIW-W)

QUALITY AND RELIABILITY:

- ETL, FCC, CE, CB GOSTCE & ISO9001:2008 Certified
- GREENGUARD® Indoor Air Quality and GREENGUARD® Children & Schools Certified
- Conforms to UL 2043 - Plenum Rated: Suitable for air-handling spaces



ELITE SCREENS CineTension2 Series

Tab-Tensioned Electric Screen

PREMIUM SCREEN MATERIAL

- CineWhite Tension material provides uniform flatness in a versatile material, making it a favorite for consumers and installers alike
- 160° wide viewing angle
- Standard 4-side black masking borders
- Available in 4:3, 16:9, 16:10, and 2.35:1 aspect ratios
- Diagonal sizes range from 84" - 150"
- Sound transparent models with AcousticPro1080 also available
- Rear projection material models also available



TOTAL CONTROL OPTIONS

- Standard Infrared (IR) and Optional ZR800D IR Universal Learning Remote system
- Standard Radio Frequency (RF) remote control operates screen from 100 feet away
- Low-voltage detachable 3-way wall switch for in-line control
- Extended IR "eye" sensor for in-ceiling Infrared operation
- Built-in 5-12 volt trigger port (RJ-45) enables Drop/Rise operation to synchronize with the projector's power cycle
- Optional wireless 5-12 volt (model ZSP-TR01) projector trigger
- Optional in-wall switch

EASY INSTALLATION

- Floating installation brackets provide easy alignment with wood studs to accommodate a wall or ceiling installation
- Aluminum housing with enamel coating is moisture resistant
- Adjustable vertical limit switch regulates screen's drop/rise settings
- Shipped ready to plug & play with installation kit containing brackets, screws, and bubble leveler included
- Optional in-ceiling trim kit
- Optional extended 11x4 or 12x8 L brackets
- Quality and Reliability
- Tubular motor allows swift operation with a superior weight tolerance and operational lifespan
- Certified by AMX and CRESTRON

ELITE SCREENS WhiteBoardScreen™

Universal Series Whiteboard & Pliable Projection Screen

The ultimate presentation tool for your meeting room or classroom. This unique whiteboard projection screen does not glare, unlike traditional whiteboards and is ideal for short throw projectors as well as interactive projectors. The projection surface is our new VersaWhite (matte white 1.1 gain) which is bordered in an aluminum light weight black frame.

- Ideal for short-throw projectors and interactive white board projectors/pens
- No "glare" effect on projection surface as typically experienced on standard white boards
- VersaWhite with 1.1 Gain projection surface is coated with a transparent dry-erase layer
- True color reproduction and contrast enhances overall projection images
- Wide diffusion 180° viewing angle with 1.1 Gain
- Cutting-edge design combines projection screen and dry erase board into one space-saving economical product
- Available in diagonal sizes 58" & 77" (4:3), 87" (16:10) and 94" (16:9)
- Includes dry erase markers and erasers
- Standard wall mount brackets allow installation flexibility by sliding horizontally along the back rail of the frame
- Optional Mobile Stand (ZWBMS-Pro)
- GREENGUARD® Indoor Air Quality and GREENGUARD® Children & Schools Certified



ELITE SCREENS VMAX2 Series

Electric Projection Screen

The VMAX2 Series comes with 2-30 inches of Top Black masking borders along with side and bottom masking to enhance the format of your presentation to avoid projection overshoot.

Internal Infrared (IR) and Radio Frequency (RF) Receivers provide total control while maintaining the streamlined simplicity of this product. For added durability and enhanced product appearance, the Elite VMAX2 Series uses an all-steel casing construction including the end caps.

The VMAX2 has various control options that work in conjunction with its Low Voltage Controller (LVC). A 5-12V trigger port uses a standard RJ-45 connection and synchronizes the screen's drop and rise with your projector's power cycle. The 3-way wall switch can be installed as an external wall-mounted control or use the extended IR "Eye" receiver for recessed ceiling installations.



SCREEN MATERIAL:

- MaxWhite 1.1 Gain Screen Material is durable and easy to clean. Also available with MaxWhite FG.
- 160 degree wide viewing angle for commercial and residential presentations
- Black backed screen material eliminates light penetration for superior color reproduction
- Black masking enhances picture contrast

CONTROL SYSTEM:

- Radio Frequency (RF) remote has 100' range
- Infrared remote and wall switch
- Internal IR/RF low voltage receivers
- 5-12 volt trigger synchronizes with projector
- Optional In-wall up/down switch and wireless 5-12V controls available

MOTOR SYSTEM:

- Synchronized Motor is silent, energy efficient and enhances product longevity

CASING AND INSTALLATION:

- Durable metal casing
- Suitable for wall/ceiling installations
- Ships fully assembled with 3-prong power connection ready to Plug & Play
- Optional in ceiling trim kits and 6"-18" brackets available

QUALITY AND RELIABILITY:

- GREENGUARD® Indoor Air Quality and GREENGUARD® Children & Schools Certified



It works in concert with your imagination.

The Da-Lite Design Center answers your needs for custom projection screens and wood products. Whether your projects are for custom integrators, exhibit designers, or producers and directors for corporate and stage events, the Da-Lite Design Center can produce the custom solutions they have always dreamed about.

Fixed frame or electric, front or rear projection screens that upstage the competition in size, fabrics and options, the Da-Lite Design Center is your complete custom design resource. From easy to use online Start Work Request forms to our Design Center Experts, nobody makes it easier to get the custom solutions your customers demand.

The Da-Lite Design Center, another Da-Lite difference you can profit from.

Think **BIG**

Because a picture is worth a thousand words.

For a free catalog and screen recommendations, call toll free or visit us online.

1-800-622-3737
www.da-lite.com/designcenter



Tensioned Advantage® Deluxe Electrol®

Projection Screen



- Handsome white powder coated closure doors and case provide a clean look and allow easy installation of ceiling tiles.
- Designed to have the case installed during the "rough-in" stages of construction and the fabric assembly during the finish stage.
- Patented in-the-roller motor mounting system for quiet operation.
- Tab guide cable system maintains even lateral tension to hold surface flat while custom slat bar with added weight maintains vertical tension.
- Front projection surfaces standard with black backing for opacity.
- Standard with built in Low Voltage Control and Decora style 3 button wall switch.
- For easy installation, the Tensioned Advantage® Deluxe is available with SCB-100 and SCB-200 (RS-232 serial control board) built into the case.
- UL Plenum Rated case.



Advantage® Deluxe Electrol®

Projection Screen



- Handsome white powder coated closure doors and case provide a clean look and allow easy installation of ceiling tiles.
- Designed to have the case installed during the "rough-in" stages of construction and the fabric assembly during the finish stage.
- Patented in-the-roller motor mounting system for quiet operation.
- Standard with built in Low Voltage Control and Decora style 3 button wall switch.
- For easy installation, the Advantage® Deluxe is available with SCB-100 and SCB-200 (RS-232 serial control board) built into the case.
- UL Plenum Rated case.
- Matte White fabric up to and including 12' high will be seamless. High Contrast Matte White is available in sizes up to 10' high. Video Spectra 1.5 fabric is available in sizes up to 8' high. High Power fabric is available in sizes up to 9' x 12' and will be seamless up to 6' high.



Large Cosmopolitan Electrol®

Projection Screen



- The larger Cosmopolitan® Electrol® features a two piece aluminum extruded case with dimensions measuring 7'-7/8" high by 6'-3/4" deep and maximum seamless screen dimensions of 16' x 16'.
- Two piece case design allows access to the motor and roller. Ceiling and wall mounting brackets are included for installation ease.
- An optional choice of seven veneer finishes are also available for the front cover of the screen case for a warm, elegant look. Veneers available include Honey Maple, Medium Oak, Heritage Walnut, Mahogany, Light Oak, Natural Walnut and Cherry. Case covers with Honey Maple, Light Oak and Medium Oak finishes come standard with white base and end caps. Cherry, Mahogany, Natural Walnut and Heritage Walnut cases covers come with black base and end caps.
- Standard with a Decora style three position wall switch.
- The Cosmopolitan® Electrol® is available with a built in low voltage control option.



Designer Contour® Electrol®

Projection Screen



- Featuring a stylish curved aluminum extruded case, standard with a white powder coated finish (also available in black or graphite case finishes), with dimensions of only 4'-5/8" high x 4'-3/32" deep.
- An optional choice of seven veneer finishes available for the front cover of the screen case for a warm and elegant look.
- Veneers from available include Honey Maple, Medium Oak, Heritage Walnut, Mahogany, Light Oak, Natural Walnut and Cherry. Case covers with Honey Maple, Light Oak and Medium Oak finishes come standard with white base and end caps. Cherry, Mahogany, Natural Walnut and Heritage Walnut cases covers come with black base and end caps.
- An optional Low Voltage Control unit can be built directly into the case for easy installation.
- Standard with a Decora style three position wall switch.
- Matte White, High Contrast Matte White and Video Spectra 1.5 fabrics will be seamless in all sizes. High Power fabric will be seamless in sizes up to 6' in height.



Designer Contour® Manual with CSR

Projection Screen



- Stylish curved aluminum extruded case with dimensions of 4'-5/8" high and 4'-3/32" deep.
- Offered exclusively by Da-Lite, the Controlled Screen Return (CSR) system adds an impressive feature to the Designer Contour® Manual. The CSR system ensures the quiet controlled return of the screen into the case providing optimal performance and smooth, consistent operation. Screens with the CSR feature must be fully extended. There are not intermediate stopping positions.
- An optional choice of seven veneer finishes is available for the front cover of the screen case for a warm and elegant look or choose a graphite case for a more contemporary look.
- Veneers available include Honey Maple, Medium Oak, Heritage Walnut, Mahogany, Light Oak, Natural Walnut and Cherry. Case covers with Honey Maple, Light Oak and Medium Oak finishes come standard with white base and end caps. Cherry, Mahogany, Natural Walnut and Heritage Walnut cases covers come with black base and end caps.
- Matte White, High Contrast Matte White and Video Spectra 1.5 fabrics will be seamless in all sizes. High Power fabric up to and including 6' high will be seamless.



Heavy Duty Fast-Fold® Deluxe Screen System

Projection Screen



- Heavy Duty Fast-Fold® Deluxe frame and legs are constructed of sturdy 3-1/2" wide by 1-1/4" thick aluminum tubing and feature easy release latches for simple, quick set up and tear down of the screen.
- Available with Da-Mat®, Da-Tex® (Rear), High Contrast Da-Tex® (Rear), Cinema Vision, Pearlescent, Dual Vision and Ultra Wide Angle (Rear), all Heavy Duty Fast-Fold® Deluxe surfaces are interchangeable with Fast-Fold® Truss surfaces for easy substitution.
- All viewing surfaces up to 16' high will be seamless.
- Complete screen also includes a rugged carrying case with wheels and is available in sizes from 7' x 9' up to 16' x 27'6".
- The Heavy Duty Fast-Fold® Deluxe with Da-Mat® fabric is standard with a foldable black backed material. This exclusive feature allows for the portability of a Fast-Fold® screen with the superior image quality and opacity of a black backed material.

DRAPER[®]

Innovation since 1902



Quality Unsurpassed

With one of the most comprehensive product lines in the world, Draper manufactures a projection screen for every need!

Draper is dedicated to producing the highest quality projection screens available; motorized or manually operated screens for ceiling-recessed or wall installation and many portable models. No one else manually inspects each screen for quality and accuracy before it leaves the factory.

www.draperinc.com • 800.238.7999 • fax 866.637.5611

DRAPER® Luma

Manual Projection Screen



The Luma is a wall/ceiling projection screen for small to medium sized groups. Spring-roller operated, it is housed in a pentagonal steel case with a scratch-resistant white polyester finish and matching endcaps that form universal hanging brackets for attachment to a wall or ceiling.

- AutoReturn Roller—The screen unrolls in the conventional manner, then slowly and gently retracts after a simple tug on the handle.
- Extra Drop—Up to 8" overall height, either white or black (white is standard or AV format, black for other formats).
- Black Masking Borders—Available on AV format screens: 11/2" wide in sizes through 70" x 70"; 2" wide in larger sizes. All other formats have black borders on all four sides.
- Projected Mounting Brackets—6", 10" and 14" fixed, and 181/4"—24" adjustable. Shown at lower left.
- Pull Cord—For sizes 70" wide and larger, a pull cord is included.
- Available in NTSC Format from 6" to 10' diagonal and HDTV Format from 65" to 106" diagonal.

CUSTOM SIZES AVAILABLE.

DRAPER® Targa

Electric Projection Screen

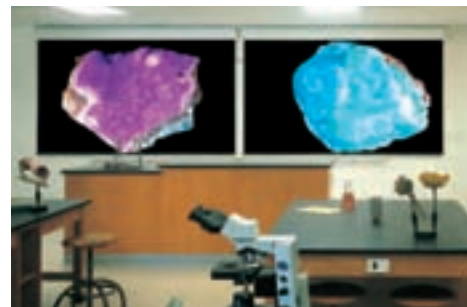


The Targa is an electric projection screen ideal for auditoriums and lecture halls, hospitals, hotels, churches, boardrooms and conference rooms. The motor is mounted inside the roller for a trim, balanced appearance. A pentagonal steel case is scratch-resistant white polyester finish with matching endcaps.

- Now available in 16:10 and 15:9 laptop presentation formats.
- Screen operates instantly at the touch of a button and stops automatically in the "up" and "down" positions.
- Viewing surface can be lowered to any position at the touch of a switch.
- NTSC, HDTV and Widescreen format screens have black borders on all four sides.
- Available with a ceiling trim kit for ceiling recessed installation.
- With control options, it can be operated from any remote location.
- Depending on surface, available in sizes through 16' x 16" and 240" NTSC.
- Custom sizes available.
- Warranted for one year against defects in materials and workmanship.
- Plug & Play with built-in Low Voltage Controller (LP) and Plug & Play with built-in Quiet and Low Voltage Controller are now available (QLP).

DRAPER® Silhouette Series E

Electric Projection Screen



The Silhouette Series E is an electronically operated projection screen with slender dimensions and a contemporary design that can be mounted to a wall or ceiling. When retracted, the screen and dowel disappear completely inside the case.

- Now available in 16:10 and 15:9 laptop presentation formats.
- Conduit connection is provided at back or top.
- Front fascia is removable without tools giving easy access to roller and motor for service.
- With control options, it can be operated from any remote location.
- Depending on surface, available in sizes through 96" x 96" and 10' NTSC.
- Custom sizes available.
- Warranted for one year against defects in materials and workmanship.
- The slender, curved aluminum case and endcaps are finished with our standard white. Also available in black or dove grey.
- Plug & Play with built-in Low Voltage Controller (LP) and Plug & Play with built-in Quiet and Low Voltage Controller are now available (QLP).

DRAPER® Access Series E

Electric Projection Screen



Eliminate installation problems by installing the case first with the Access Series E electric projection screen. The extruded aluminum case is UL approved for use in environmental air space, featuring ceiling trim flanges, a prewired junction box and movable brackets for a smooth operation. The viewing surface and roller can be installed at the same time or can be added quickly and easily without tools at a later date. This series offers your choice of viewing surfaces: Matte White, Glass Beaded, High Contrast Grey or acoustically transparent at AT1200 or AT Grey.

Extra Drop—Additional drop is optional, either white or black. (White is standard for Series E in AV format. Black is standard for Series E in all other formats and for all Series V screens).

Black Masking Borders—Borders are optional for Series E in AV format. Borders are standard for Series E in all other formats and for all Series V screens.

- Now available in 16:10 and 15:9 laptop presentation formats.
- Install an Access case first and the screen later.
- Motor-in-roller assures quiet and smooth operation.
- Depending on surface, available in sizes through 12' x 12' and 200" NTSC.
- Custom sizes available.
- Warranted for one year against defects in materials and workmanship.

DRAPER® RoadWarrior

Portable Projection Screen



The perfect screen for today's ultra-portable projectors, the Draper RoadWarrior lets you travel light and still deliver a big presentation. Available in six sizes and designed with today's presenter in mind, it can be set up in seconds on the floor or table in four easy steps: Set the case where you want it, release two clasps, position feet and extend the screen.

The screen height adjusts instantly, at the touch of a finger. Setting up the RoadWarrior is a snap, and it's compatible with resolutions up to 1200 x 1600 and beyond, with a broad viewing cone and accurate color rendition. This portable projection screen and its detachable shoulder strap is a great companion for your portable presentation.

- Screen case is made of extruded aluminum.
- Includes 3/4" black borders and 30" black "rise" to clear a standard tabletop.
- Surface raises at the touch of a finger.
- Pneumatic cylinders hold screen securely at desired height.
- Available in 60" and 80" diagonal NTSC format and 55" and 73" diagonal HDTV format.
- Remarkably inexpensive, considering its high quality.
- Optional Padded Carrying Case—Tough, flexible, and lightweight.
- Warranted for one year against defects in materials and workmanship.

DRAPER® Onyx

Fixed Projection Screen



An attractive frame and uniquely effective fabric tensioning system make Onyx the leader in permanently tensioned screens. The frame is beveled aluminum, black in color and 4" wide to absorb projector overscan. This screen assembles quickly and easily in about ten minutes. And the Onyx's "snap free" constant tensioning system applies uniform tension to the entire surface area.

- There are no snaps! Uniform tension is applied to the entire surface area, so the surface is perfectly flat.
- Unique fabric retention system enables you to adjust the surface tension up to 1-1/2", both vertically and horizontally in increments of approximately 3/8" in just seconds, without tools!
- Frame finish: Black aluminum is standard. Add optional Vel-Tex, velvety black textile, to eliminate reflections.
- Depending on surface, available in sizes through 120" x 120" AV and 15' NTSC.
- Custom sizes available.
- Warranted for one year against defects in materials and workmanship.
- The Onyx is now available with a Curved Frame.

It's All About the Screen



original photo

Install: Amicus Therapeutics, NJ
Integrator: Bob Smith, Itec Consultants
Installed 147" FUSION HD
Photography: by Zivko Grcic

FUSION-HD

High-Definition Rear Projection Screen

Fusion-HD by Vutec is a rigid acrylic rear screen, representing the latest engineering advancement in rear-projection screen technology. Its durable, scratch resistant, multi-layer design, diffuses the image evenly across the entire screen surface to create exceptional screen uniformity, clarity, and high image resolution.



For a quick response,
email sales@vutec.com or call **1-800-770-4700**
www.vutec.com



VUTEC Lectric I™

Motorized Projection Screen



Lectric I™, Vutec's most popular motorized projection screen, features a durable aluminum housing for wall or ceiling applications. Representing the best value in its class, Lectric I™ comes standard with value-added features, including VUTEC's EMS™ EZ-Mounting System, for wall or ceiling applications.

Lectric I™ provides users with maximum versatility and interfaces with optional low voltage relays, IR, RF, RS-232, 12 volt triggers, and IP controls.

- Surface mount for wall or ceiling
- Vutec EMS™ (EZ-Mounting System) included
- Heavy duty aluminum housing with choice of black or white finishes
- Quiet motor-in-roller design
- Ribbed aluminum roller featuring Vutec's FRST™ (Fabric Relief Step)
- Standard 12" black leader
- Interfaces with low voltage relays, IR and RF remote controls
- Requires hard wired installation
- Meets requirement for fire-resistant and low smoke-producing characteristics
- 1 year warranty

CUSTOM SIZES AVAILABLE

VUTEC Prismatec™

Rear Projection Screen



With a gain of 5.0, PrismaTec is the brightest rear projection screen in the industry. PrismaTec offers sharp, vibrant pictures even in rooms with uncontrolled lighting, and is an excellent choice for home theaters and commercial applications.

PrismaTec is available in fixed-frame or free-hanging systems, and is offered in 4:3, 16:9, 16:10, and 2.35:1 standard formats in a wide range of sizes.

- Excellent for home theater or commercial applications
- High gain (5.0)
- High Contrast and High ambient light rejection
- Excellent performance in ambient light
- Optional pre-assembled SF Frame available
- Free-Hanging or Framed Masking options available
- 1 year warranty

CUSTOM SIZES AVAILABLE

VUTEC Eleganté™

Fixed Screen



Eleganté fixed frame wall screen is a competitively priced front projection screen. It is a permanently tensioned, easy-to-use projector wall screen that is available in Matte White or MatteGray screen surfaces to suit your viewing environment.

Eleganté standard features include a black beveled frame, our VTST™ system for easy installation and is available in three formats to compliment any size viewing room.

- Easy to assemble
- Extruded 1 7/8" aluminum beveled frame
- VTST™ (Vutec Tensioning System)
- Black velvet finish
- 1 year warranty

VUTEC Retracta-Vu Pro™

Motorized Rising-Arm Screen



Retracta-Vu Pro™ is Vutec's patented motorized rising-arm screen, featuring Vu-Flex Pro self-supported fabric. Retracta-Vu Pro is designed to overcome room limitations and can retract into either a customized cabinet or directly into the floor.

- Screen can be cabinet mounted or recessed in floor
- Includes Vutec's Vu-Flex Pro internally-tensioned fabric
- Available from 84" to 300" diagonal
- Interfaces with optional low voltage relays, IR and RF remote controls
- Requires Vutec consultation and sign-off
- 1 year warranty

Retracta-Vu Traveller Projector Lift

Retracta-Vu Traveller Projector Lift™ is an all in-one solution, designed for the rental & staging market, providing instant installation with no assembly required. Simply roll into place, connect to a power outlet, and deploy up to 10'.

Retracta-Vu Traveller Projector Lift™ is a self contained scissor lift system that will raise the projector to the desired height. The quiet electric lift and tilt system will align the projector to the projection screen. Retracta-Vu Traveller Projector Lift™ safeguards the projector and lift within case during transport. The case provides dust free protected storage.



VUTEC SilverStar 3D-P™

2D/3D Passive Fixed Screen



SilverStar™ 3D-P is Vutec's award winning 3D-P + 2D + HD in one optimal projection screen. This comprehensive screen is truly in a class by itself, delivering the ultimate in picture quality, providing high brightness, vivid colors, ultra high gain, high contrast, and a wide viewing area. SilverStar 3D-P's superior performance begins with its innovative technology, a silver-based material to provide the ultimate performance.

This state-of-the-art technology increases color saturation while expanding contrast in controlled or uncontrolled lighting environments. Image brightness loss from viewing through 3D glasses diminishes approximately 50%. This is created by the polarization process that is creating the 3D effect. By utilizing SilverStar 3D-P, the viewer will reclaim light loss to produce a vivid 3D viewing experience.

SilverStar™ 3D-P is custom made to order. With unsurpassed versatility, SilverStar 3D-P is the screen of choice for a true cinematic experience.

- 3D-P + 2D + HD in one screen
- Superior ambient light rejection, Ultra High Gain, High Contrast & Vivid Colors
- Extruded black velvet finished frame
- Rigid Surface
- Optional adjustable tubular stand legs
- 1 year warranty

CUSTOM SIZES AVAILABLE

VUTEC ArtScreen™

Flat Panel Art Frames



ArtScreen transforms a Flat Panel Display into a work of art. Inside a beautiful frame, the artwork ascends or descends with the touch of a remote. When the screen or television is not in use, the digital art-on canvas image of your choosing is displayed within the frame. When your artwork is retracted, the video display is visible for viewing.

Choose from a vast array of frame styles, liners, and artwork choices for reproduction. For personalized art, custom artwork or personalized photographs can be reproduced to create an individualized ArtScreen. Both recessed and surface mount versions are available to compliment any interior design or décor.

ArtScreen is available for video displays from 32 inches to 103 inches. Custom sizes can also be accommodated.

- Standard plasma/LCD display sizes from 32" and up
- Also available in larger front and rear projection screen formats
- Recessed or surface versions available
- Designed for ease of installation
- Large selection of Giclée fine art prints, frames, and liners
- Client's custom art or photographs can be duplicated with authorized release
- 1 year warranty



Navitar produces projection lenses that help you overcome the limitations of standard LCD and DLP projectors. Our lenses let you place the projector almost anywhere while maintaining high quality images. Our commercial off-the-shelf (COTS) and custom projection solutions serve the church, home theater, education, simulation, digital display, planetarium, amusement, military, OEM and 2D/3D/4D cinema markets.

Navitar excels in the extreme digital projection situations for both wide angle and long throw situations. In wide angle situations, we can help you achieve tremendous impact with larger images from the same projection distance or we can help you shorten your desired projection distance with the same size image. In long throw situations, our zoom lenses will help you move the projector to the back of the room and out of sight. In all cases, we help you overcome the limitations of standard video projectors and ensure the high quality images, fine text and crisp HD video you need.

Navitar has partnered with some of the world's foremost producers of dome theater equipment, simulation and modeling technologies, and providers of high resolution, full motion immersive environments and display systems.

EXAMPLES OF CUSTOM LENSES INCLUDE:

- Full 180° lenses for use in immersive amusement park rides
- Custom lenses designed for 4K projection applications
- Relay lens and projector lens combinations for planetarium applications
- Ultra high resolution projection lenses for curved-screen flight simulation applications



NuView®

Replacement Projection Lenses

Navitar's high resolution NuView® projection lenses replace the existing prime lens of a projector allowing you to use your projector in a variety of new applications. With a wide selection of stock and custom designed long-throw zoom and wide-angle lenses to choose from, we are sure to have a replacement lens solution for your application, screen size or projection distance. NuView® lenses produce the bright, sharp images you need at a price you can afford.

NUVIEW® LONG THROW ZOOM LENSES

Use a long throw lens to increase projection distance and move your projector farther from the screen. The zoom feature allows you to choose your projection distance and image size by simply rotating the lens.

NUVIEW® WIDE ANGLE FIXED FOCAL LENSES

Use a wide angle lens in rear screen applications or to produce much larger images for front projection.



ScreenStar®

Projection Conversion Lenses

Navitar ScreenStar® wide-angle and long throw conversion lenses sit in front of your projector's standard lens to increase your picture size or increase your throw distance by 20-50%. These lenses decrease the overall cost of installations by allowing you to reduce the number of projectors being used or by selecting a lower cost, less featured projector.

STANDARD SCREENSTAR® LENSES

Let Navitar's ScreenStar lenses solve all your projection issues. ScreenStar lenses are compatible with a wide range of projectors including simulation and training projectors, home theater projectors, conference projectors, portable and educational projectors and projectors in price points of low cost, mid range and high performance projectors. No need to worry about technology wars between DLP vs LCD - ScreenStar lenses work with most projectors including standard 4:3 format as well as 16:9 format HD video projectors.

HD SCREENSTAR® LENSES

HD ScreenStar wide angle conversion lenses are specially designed to match the performance of HD projectors. When placed in front of the projector's existing prime lens, the image size or throw distance can be changed with no loss of quality in the conversion.

These highly-corrected lens systems, optimized for 1080p resolution, also compliment other formats such as 720p and SXGA+. If your application includes higher resolution graphics and video from sources such as Blu-ray DVD players and gaming systems such as Xbox 360 and PlayStation® 3, HD ScreenStars will maintain the quality of your images. HD ScreenStars can be used for training and simulation applications as well.

MINI SCREENSTAR® LENSES

Navitar's Mini ScreenStar lenses are designed to be used with small profile, low cost projectors with panel sizes 0.8" or smaller. The compact design blends well with projector body styles and is so lightweight it fits into a projector or brief case for easy transport.



Tripp Lite

Tripp Lite is a leading manufacturer of products that power, connect and protect computers and other electronics.

Founded in 1922, it is best known for its Uninterruptible Power Supply (UPS) Systems and Isobar® Surge Suppressors (with over 18 million sold).

Tripp Lite manufactures more than 2,500 products, many of which have earned multiple industry awards for design and function. Products include UPS systems, replacement batteries, Power Distribution Units, power management tools, server racks and cabinets, surge suppressors, KVM switches, console servers, cables, laptop accessories, power strips, power inverters, line conditioners, specialty products for audio/video and healthcare, and numerous models which comply with the Trade Agreements Act and NAFTA regulations.



Product Lines

UPS Systems & Batteries

Categories

- Desktop
- Network / Server
- Hot-Swap
- Energy-Saving
- Replacement UPS Batteries
- Data Center Single-Phase
- Data Center 3-Phase
- 3-Phase Distribution Cabinets

- 3-Phase Accessories
- External Battery Packs
- Audio / Video
- Hospital / Medical
- UPS Accessories
- Power Management
- PowerAlert



Power Distribution Units

Categories

- Basic
- Metered
- Monitored
- Switched
- Hot-Swap
- Dual Circuit
- Auto Transfer Switch
- PDU Accessories
- 3-Phase Distribution Cabinets
- 3-Phase Accessories



Racks, Enclosures & Cooling

Categories

- Floor-Standing Enclosures
- Wall-Mount Enclosures
- Open-Frame Racks
- Rack Accessories
- Portable AC Units
- Cooling Accessories



Surge Protectors

Categories

- Standard
- Premium Isobar®
- Rack-Mount
- In-Line
- Energy Saving
- Audio / Video
- Mobile
- Safety
- Hospital / Medical
- Industrial / Commercial



Also Available

- KVM Switches & Console Servers
- Cables & Connectors
- Power Inverters & Inverter / Chargers
- Power Strips
- Keyspan® Remotes & Adapters
- Mobility / Laptop Accessories
- Power Line Conditioners
- Isolation Transformers
- AC-to-DC Power Supplies
- Minicom KVMs & IP Remote Access

Shaxon Industries



Established in 1978, Shaxon

Industries specializes in the manufacturing and distribution of high quality, cost competitive products for the data and telephone communications industry.

Specializing in the support and service of the wholesale distributor of cabling and interconnect products by providing them with technical support, product development and flexible manufacturing processes.

Shaxon is structured to meet the demands and needs of valued customers by stocking distribution hubs throughout the continental United States, and servicing customers with products and support is the key. Shaxon takes pride in building, testing, and packaging the highest quality of products.

Product Lines

Categories

- Custom Cables
- Patch Panels
- Patch Cables
- Outlets
- Wire Management
- Trunk Cables
- Fiber Optics
- Computer Cables
- Bulk Cable
- Modular Products
- Ethernet & Token Ring
- Connectors
- Audio / Video Cables
- Tools & Testers

Home-NET™ and Design Plus™

CATV/Phone Modules, ME-Series Modules, & Volume Control Knobs

Home-NET™ residential wiring enclosures provide the latest connectivity options with a superior combination of quality and value. Interface High Speed Ethernet, Voice, Satellite and Cable wiring as well as Audio and Video applications within one flexible enclosure. Design Plus™ plates and outlets provide the perfect match to the Home-NET™ residential wiring enclosure line. Designed with residential and commercial aesthetics in mind, Shaxon's full line of High Speed Ethernet, Voice, Satellite, Cable, Audio and Video outlets provides the look and performance required by today's installation environment.

INNOVATION™

Molded DVI Cables, USB Adapters, & Serial ATA Kits

Shaxon Industries INNOVATION™ brand covers a unique and diverse stock and custom cable assemblies with an emphasis on mold injection and value added services.

Spectrum Plus™

Patch Panels, Patch Cables & Outlets

Spectrum Plus™ Category 6 products feature new technology to support today and tomorrow's high-speed network installation. A complete selection of Patch Panels, Patch Cables, Jacks and Outlets are available.

Shaxon Industries Performance Plus™

Toslink Cables, Component Video Cables, & RCA Connectors

Shaxon Industries Performance Plus™ line of Assemblies, Connectors and Bulk Cable sets the Industry standard in high-quality, cost competitive Audio and Video Products. Designed with performance, aesthetics and ease of installation in mind every standard and custom cable option features our exclusive cable design and high-performance connectors.

Custom Manufacturing

Shaxon Industries is able to respond to your needs for custom tooling, product modification and new product development with expertise developed over the last 20 years. Shaxon has extensive background in analyzing, designing and producing our customers' diverse requests. Shaxon Industries produces a large percentage of the connectors, bulk cable, metal products and related material that make up the products we manufacture. This assures our customers a competitive cost and the highest quality product available. Unlike manufacturers who must broker their components from a variety of sources, Shaxon is able to control cost, delivery and quality at all stages of production.

**Self-Analyze**

If you have a rental and staging practice, conduct a periodic review of equipment to compare existing inventory with newer, more energy-efficient systems.

**Set Goals**

Include power consumption/savings goals section in needs analysis and AV program reports. Track your progress and measure the impact.

**Compute Smart**

Use energy-efficient servers and PCs in the office; discourage the use of PC screen savers; and implement a network-enabled power monitoring and reduction program.

**Control Systems**

Employ control system-activated, automatic power-down cycles to minimize energy consumption when AV products are not in use for a certain amount of time.

Green AV

IAVI cares about our planet, and we know you do, too. Today, being environmentally responsible is not just cost-effective; curbing your carbon footprint is trendy and cutting-edge! IAVI proudly offers easy, affordable energy saving solutions for just about any Pro AV application.

We're always excited to share new technologies that provide better, smarter solutions. Constant advancements in the Pro AV industry allow for a more efficient use of resources, higher productivity and savings incurred over time due to the lower operational costs mitigate the initial expense of such progressive technology.

Selling the benefits of a green solution go beyond savings on energy, equipment life-extension, printing paper and ink; customers reward Green companies with their business, and employee productivity gains incurred as a result of happy, healthy employees offer additional economic payback.

Call an IAVI sales rep today to learn more about how your solutions can be environmentally and financially **GREEN!**

Be Cable-Friendly

Favor system designs that transport signal over Ethernet or fiber to reduce copper and PVC use.



Use the Network

Encourage clients to use network-enabled AV gear that can be attached to a LAN and be centrally controlled by software from companies like AMX and Crestron.



Plan Ahead

Stay on top of product developments and specify the latest technology in order to future-proof systems so clients can avoid replacing equipment too often.



E-Cycle

When old systems are being discarded, encourage owners to recycle in an environmentally responsible manner in compliance with their state's e-cycling rules.



Control Lights

Add, expand, or brush up on your lighting control skills. Not only would clients appreciate a lighting solution that saves energy and integrates with their AV, but lighting control could reduce your company's own carbon footprint.



Eco Mode Management

When possible run your projectors on eco mode. This will help you to save on power consumption and get more life from your lamp.



Manage Projectors



Take advantage of projectors with eco-modes and make it the default setting. Where possible, or in conjunction with a control system, require a password to override the eco-mode.

Show Results

Try to show client's typical use and maximum power consumption estimates for all equipment you specify. During commission, provide actual-use reports.



Recycle

Reuse and recycle batteries from AV events. Let the crew take home batteries that might be partially used and recycle the rest.



Recycle

Reuse and recycle batteries from AV events. Let the crew take home batteries that might be partially used and recycle the rest.



Learn Your EPAs

Look to vendors that take part in the EPAs Energy Star and Plug-In to e-cycling programs.



Save Paper

Given the digital age of technology this is the simplest way to save. Give clients their systems documents in electronic form, including drawings, to reduce or eliminate paper waste.



Measure Savings

When pitching a green project, show clients estimated power savings in dollars and greenhouse gas reduction in tons of CO2 saved per year.



1080p ATSC high-definition 1920 x 1080 progressive scan video format where a complete frame of video is delivered at either 60 or 24 frames per second.

15 Pin D-Sub A connector for a PC's VGA port or analogue monitor.

16:9 Aspect ratio of an HDTV signal which is 16 units by 9 units, whatever size those units may be. In the film trade aspect ratios are described in relation to one, which means this aspect ratio is described as 16/9 or 1.78:1.

2.2 Pull-Down This refers to the electronics required to convert film footage to PAL and SECAM video format.

2:2 Pull-Down Method for transferring 24 frame-per-second film to PAL/SECAM video running at 25 frames per second.

2:3 Pull-Down Commonly called 3:2 pull-down, converts film footage to NTSC video. Film footage is shot at 24 frames per second (FPS) and NTSC video is shot at 30 FPS. 3:2 pull-down refers to the electronics needed to convert 24 FPS to 30 FPS so that it can be viewed on a NTSC video device. To accomplish this, 4 frames of film are converted to 5 frames of video by inserting an extra field of film frame every other frame.

3:2 Pull Down Method used to map the 24 FPS of film onto the 30fps (60 fields) of 525 line NTSC video, so that one film frame occupies three video fields, the next two, etc. In this way the film can play at a standard video rate. It means the two fields of every other video frame come from different film frames, this can cause problems in the editing process.

3D Ready A projector that is 3D Ready can accept a 120Hz frame-sequential 3D signal from a computer via either NVIDIA's 3D Vision system or one of several educational software suites. These projectors are not compatible with the HDMI 1.4 3D specification used on 3D Blu-ray players and set-top boxes. We also refer to this type of 3D as PC 3D Ready.

3LCD Common 3 color system for projecting images via LCD or Liquid Crystal Display. Uses dichroic mirrors to separate the RGB components of white light coming from a projection lamp. Each color is fed to separate LCD panels which controls the amount of colored light that passes through. The light from each LCD is recombined using a dichroic prism before going out the lens and onto a screen.

4:1:1 Sampling A ratio used to describe the sampling frequency of a digitized signal. The ratio describes luminance as being sampled 4 times at 3.37 MHz, while color is sampled 1 time at 3.37 MHz in each of its separate parts. DV, DVCAM and DVCPRO25 use 4:1:1 color sampling. Formulated as:Y (luminance) is sampled at 13.5 MHz (or 3.37 x 4), R-Y (color) is sampled at 3.37 MHz (or 3.37 x 1), B-Y (color) is sampled at 3.37 MHz (or 3.37 x 1) equals 4:1:1.

4:3/16:9 Dual Format This dual format enables the viewer to switch between alternative picture formats in traditional square or wide-screen views.

480i ATSC Standard Definition Television (SDTV) 720 x 480 or 640 x 480 interlaced video format where a frame of video is delivered in two fields. The first field contains the odd lines of the image and the second field contains the even lines. Each field is updated every 1/60th of a second resulting in 30 frames of video per second.

480p ATSC Enhanced Definition Television (EDTV) 720 x 480 progressive scan video format where a complete frame of video is delivered at either 30 or 24 frames per second. 480p also refers to a display format comprised of 854 x 480 pixels, 16:9 widescreen.

720p ATSC high definition 1280 x 720 progressive scan video format where a complete frame of video is delivered at either 60, 30 or 24 frames per second.

A Aliasing During the quantization or re-quantization process, unnecessary artifacts may be generated due to interpolation (a method for generating inter-sample data using compilation). This phenomenon is called "aliasing", and the distortion it causes is called "aliasing distortion" or "fold-back noise". Aliasing distortion can cause smear or flicker on the image.

ALIS Alternate Lighting of Surfaces is a method of achieving high definition and high brightness.

Ambient Light The light of lighting present in a room other than the light emitted by a projector.

Analogue Analogue signals are the traditional format in which audio and video are transmitted. A digital signal will usually produce a superior video quality.

Anamorphic A technique for changing aspect ratios by optically or digitally stretching or compressing an image to or from a format with a different native aspect ratio. Movie studios used this technique to put the first widescreen movies on standard 35mm film and then used an anamorphic lens to recreate the image in the widescreen format in which it was originally shot.

AnimGIF An animation in the GIF format, capable of automatic looping playback. See also GIF.

ANSI Contrast Contrast is the ratio between white and black. The larger the contrast ratio the greater the ability of a projector to show subtle color details and tolerate extraneous room light. There are two methods used by the projection industry: 1) Full On/Off contrast measures the ratio of the light output of an all-white image (full on) and the light output of an all-black (full off) image. 2) ANSI contrast is measured with a pattern of 16 alternating black and white rectangles. The average light output from the white rectangles is divided by the average light output of the black rectangles to determine the ANSI contrast ratio. When comparing the contrast ratio of projectors make sure you are comparing the same type of contrast. Full On/Off contrast will always be a larger number than ANSI contrast for the same projector.

ANSI Lumens ANSI lumens is a measurement of the overall brightness of a projector. Because the center of a projected image is brighter than the corners, ANSI lumens are the most accurate representation of the image brightness. ANSI lumens are calculated by dividing a square meter image into 9 equal rectangles, measuring the lux (or brightness) reading at the center of each rectangle, and averaging these nine points.

ANSI American National Standards Institute. A private organization that coordinates and administers various voluntary consensus standards such as ANSI lumens. The first ANSI standard was for pipe threading in 1919 when it was called the American Engineering Standards Committee.

API Application Programming Interface is the format used by an application to communicate with an operating system.

Artifacts Flaws and aberrations in a video image that derive from technical limitations in the capture, encoding/decoding, transmission, and display of a video signal.

ASCII (American Standard Code for Information Interchange) The universal standard for representing text letters, numerals, punctuation marks and control instructions in computer storage and communication.

Aspect Ratio The ratio of height over width of an image: a standard video monitor has an aspect ratio of three units of height (vertical) to four units of width (horizontal). This is expressed as a 3:4 aspect ratio. Can also be expressed as a decimal number, such as 1.77, 1.85 or 2.39. Images will become distorted if forced into a different aspect ratio during enlargement, reduction, or transfer. The aspect ratio for HDTV is 16:9.

ATSC (Advanced Television Systems Committee). Formed in 1982, this international committee develops voluntary standards for terrestrial digital television. Countries adhering to its standards include Canada, Argentina, Mexico, South Korea and the U.S.A. ATSC Digital TV Standards include HDTV, SDTV, data broadcasting, multichannel surround audio, and interactive television.

Audio In-and-Out Connections for external amplifiers and speakers to allow sound output.

Authoring Tools Authoring tools usually refers to computer software that helps multimedia developers create products. Authoring tools are different from computer programming languages in that they are supposed to reduce the amount of programming expertise required in order to be productive. Some authoring tools use visual symbols and icons in flowcharts to make programming easier. Others use a slide show environment.

Auto Balance A system for detecting errors in color balance in white and black areas of the picture and automatically adjusting the white and black levels of both the red and blue signals as needed for correction.

Azimuth The direction to point a satellite dish when coupled with altitude. Due north has an azimuth of 0 degrees and due east, 90 degrees, and so on.

B Bandwidth The number of cycles per second (Hertz) expressed as the difference between the lower and upper limits of a frequency band; also, the width of a band of frequencies. Practically speaking, bandwidth is the amount of data that can pass through a given connection per unit of time.

Bezel The frame or face of a device, such as, a projector grill, or CRT or LCD display frame.

Black Level The darkest part of a picture. This can vary between display devices and viewing environments. NTSC black is set at 7.5 IRE, which is very slightly gray. The white level divided by the black level gives a contrast ratio for a particular display device.

Blackboard Mode Blackboard mode gives the projector the ability to detect the color of a display surface such as a chalkboard or painted wall and adjust its output to optimize accurate color reproduction, contributing to increased comprehension and retention.

Bleeding Video distortion where color "bleeds" from an object onto other parts of the image which are not supposed to be that color.

Blooming Video distortion where an overly bright screen object causes phosphors near it to excite, therefore enlarging the object and softening its edges.

Bounding box The box, represented by the selection frame, that surrounds a multiline text element. The element's text lines can be aligned within the bounding box (left/center/right) independently of the alignment of the element as a whole.

Bowing Video distortion where lines which should be straight are curved. See barrel distortion and pincushioning.

Brightness (Perceived) The brightness of a projection system can be precisely measured with a light meter. For example, a typical movie theater is setup to deliver 16 foot-Lamberts. The higher the foot-Lamberts, the brighter the image. A common misconception is that a projector with twice the foot-Lamberts of another projector will be twice as bright. While it is true that a light meter will detect it as twice as bright, your eye will not. The perceived brightness will increase by about 50%. It will not double because the human eye has a logarithmic respond to light.

Brilliant Color™ Brilliant Color technology enables a much broader set of options for manufacturers and end users to adjust color to their individual needs. There are projectors in the marketplace that supports up to 10 different pre-configured modes without impacting average lamp power or color fidelity.

Broadcast Server A machine that prepares and transmits broadcast files received from a Content Manager machine. Also may refer to the broadcasting software that runs on this machine, or the Content Manager definition of the machine's location.

Buffer An area of computer memory reserved for holding and compiling sufficient data to begin streaming.

Burn-in Image distortion where phosphors are discolored at a differing rates in a display device such as a plasma, CRT or SED TV. Usually caused by displaying a static image for extended periods of time. Screensavers are used to prevent burn-in on CRTs and plasma displays use a periodic dynamic single pixel shift of the image to avoid burn-in.

C Cache The high-speed computer memory used to speed up data transfer and store visited web pages temporarily or permanently.

CATS A data and communications cable adopted by the Telecommunications Industry Association and ISO (International Standards Organization); This version of Category 5 uses all four pairs of wires to both send and receive. This version is formally called ANSI/TIA/EIA 568A-5 or simply Category 5e. Category 5e operates at up to 350Mhz, striking each of its elements. OCD sensors (imager) are used in both motion video and still video cameras. (See FIT, HAD, Hyper HAD, IT)

CEA Consumer Electronics Association. An industry association of over 2,000 electronics manufacturers. Produces the Consumer Electronics Show, or CES.

CEDIA Custom Electronic Design and Installation Association. International industry association for home electronics installation and design related businesses. It also certifies members with professional designations.

Closed Circuit Television Traditionally, a private television network broadcasted internally within an organization. Modern narrowcasting solutions work over the Internet, deploying custom video and messaging anywhere in the world.

Closed-Captions Text, including subtitles, which is added to the video signal. It is referred to as "closed" as it cannot be seen unless the receiving device requests it.

Coated Optics A variety of materials put on high quality lenses to minimize the amount of light reflected back to the lamp and the amount of ambient light that mingles with the focused light leaving the lens. Generally good coatings can add 15% or more to the lenses brightness. Other coatings are used for filtering colors.

Coaxial An audio or video cable with a single internal wire with an outer shield that is ground. In audio, a speaker type where one speaker is positioned within another larger speaker's cone.

Codec An acronym of Compression, Decompression. A device or a piece of software module responsible for compressing and/or decompressing an encoded media format such as AVI digital video, translating one file or signal format into another, ideally with an undetectable loss of quality.

Color Bar The horizontal strip at the top of most Design menus, used to assign colors to elements and certain styles. It shows the color chips of the current color set in the User palette, and also includes the Color Set Switcher.

Color Break-up Image anomaly which looks like a rainbow at the edge of bright objects on screen. Also called rainbow effect where sequential color systems, such as single chip DLP projectors or some LCoS RPTVs, update color information at different locations on the screen because of quick movement of screen objects or a viewer's gaze. For instance, the red component of a white object will show at a different location on the screen than blue when an object moves quickly across because color is being displayed sequentially. This also occurs with quick relative movement such as moving your gaze from point to point across the screen. Most noticeable in bright objects.

Color Depth The number of possible colors in a graphic image, stored as a given number of bits per pixel. A color depth of 8 bits provides 256 colors; 16 bits (also known as "High Color") provides about 65,000 colors; 24 bits (also known as "True Color") provides about 16,000,000 colors.

Color Temperature Color balance of white light which goes from red to blue as the temperature rises. Measured in degrees Kelvin, which starts at absolute 0 or -273 degrees Celsius, color temperature matches the reference standard of the light being emitted from a carbon block heated to the stated degrees. For instance, the early morning sun is around 2500K, which is the same warm light that a carbon block heated to 2227° Celsius would emit. Heating the block further to 10000° Celsius would emit the same bluish light of a blue-sky mid-day sun. Common color temperatures are 5500 Kelvin (black and white movies) and 6500 Kelvin (standard color films).

Color Wheel Rotating wheel with 3 or more translucent color filters used to display sequential color on single image light valve based projection devices. The imager reflects or transmits the color component of a given image when the wheel's corresponding color filter is affecting the light passing through to the lens. A 1x wheel cycles through all colors in 1/60th of a second.

Comb Filter Chrominance and Luminance detail are preserved with the built-in Comb Filter. Prior to reaching the electron gun, the composite video signal is broken down into its separate luminance and chrominance signals as it passes through the comb filter, which reduces dot crawl and signal error.

Combing A motion artifact caused by interlace where an object has moved appreciably within a frame and its new position is displayed in a different position in one field over the other. Looks like the teeth of a comb.

Component Video Component Video is a method of delivering quality video (RGB) in a format that contains all the components of the original image. These components are referred to as luma and chroma and are defined as Y'Pb'Pr' for analog component and Y'Cb'Cr' for digital component. It is comprised of luminance (Y) and two chrominance channels of blue minus luminance and red minus luminance.

Composite Video Composite video is one of the most common AV connections and is the picture signal combined with synchronization and color information.

Compression Compressed data uses less bandwidth, saving computer memory space and enabling faster transmission. In display equipment, compression is used to convert resolutions, such as from XGA to SVGA, resulting in a clearer, sharper picture.

Contrast Ratio The ratio between white and black. The larger the contrast ratio the greater the ability of a video device to show subtle color details and tolerate ambient room light. There are two industry methods used: 1) Full On/Off contrast measures the ratio of the light output of an all-white image (full on) and the light output of an all-black (full off) image. 2) ANSI contrast is measured with a pattern of 16 alternating black and white rectangles. The average light output from the white rectangles is divided by the average light output of the black rectangles to determine the ANSI contrast ratio. When comparing the contrast ratio of video devices make sure you are comparing the same type of contrast. Full On/Off contrast will always be a larger number than ANSI contrast for the same video device.

Crestron RoomView Crestron RoomView Connected is built into projectors enabling direct network connectivity for remote management of AV networks. Crestron RoomView® Express software provides enterprise help desk management, remote monitoring and control of global AV networks without any special wiring, hardware or programming. Once connected to the network, classroom teachers and presenters can instantly control any installed RoomView Connected™ projector. With no programming required, AV and IT managers can globally monitor and control networked projectors throughout a school, campus, or corporate enterprise. Adding a Crestron control processor enables control of all AV devices, lighting and environmental systems on the network from any Crestron touch screen, Web browser and Apple® and Android® mobile devices including iPad™ and iPhone®. By leveraging the Ethernet port on RoomView Connected projectors and accessing RoomView, AV managers and support staff can remotely take control of classroom technology, troubleshoot and perform remote system diagnostics, track projector usage and lamp life, log network activity and much more. Remote capabilities allow efficient scheduling of projector power-off at preset times, routine maintenance, faster response times to support calls, alert notifications if projectors are disconnected, and broadcast messaging of emergency alerts to all projectors.

Crop To cover up portions of a graphic image that are not needed by adjusting its top, bottom, and side borders.

Cross Strap An adapter bracket that allows a display to be mounted to VESA patterns.

Daisy-Chainable In electrical and electronic engineering a daisy chain is a wiring scheme in which multiple devices are wired together in sequence or in a ring. Other than a full, single loop, systems which contain internal loops cannot be called daisy chains. Daisy chains may be used for power, analog signals, digital data, or a combination thereof.

Decibel (dB) A logarithmic unit used to express the ratio between any two levels; normally used to show the difference between two sound levels. Because it is expressed on a logarithm scale, it is convenient for comparing values, which are considerably different.

Deinterlacer Electronic component that converts an interlace video signal to progressive scan.

Delay Commonly used in sound engineering where a sound is played back later at different speakers in order to maintain directionality of original sound. Uses the psychoacoustical phenomenon of precedence effect where a sound is first heard is where it is perceived to come from even when coming from multiple places.

Diagonal The diagonal of a screen or flat panel can be computed by using the Pythagorean theorem: squaring the width, adding them together and taking the square root. A 100" diagonal 16:9 screen measures 49" high by 87" wide; a 100" diagonal 4:3 screen measures 60" high by 80" wide. Use the Projection Calculator to get screen dimensions on all common aspect ratios.

Dichroic A mirror or lens that reflects or refracts selective wavelengths of light. Typically used in projector light engines to separate the lamps "white" light into red, green, and blue light.

DICOM (Digital Imaging and Communications in Medicine) provides the medical profession with the ability to simulate 21 different levels of grayscale in the rendering of X-rays, CAT scans, MRIs and other medical imaging applications.

Digital Signage Advertising An ad-based digital signage network displaying dynamic brand advertising

Digital Signage Display Refers to the LCD, Plasma, TV or LED screen used in a dynamic digital signage network.

Digital Signage Network A digital signage network is a series of interconnected flat panel screens or televisions that are presented similar to traditional signage, but can be controlled from a remote location to deliver dynamically changing content.

Digital Signage Networks A grouping and/or network of digital signage.

Digital Signage Software An end-to-end software solution for digital signage networks. The software, much like Scala, provides a content creation solution, a content management solution managed from a central location and playback functionality located near the display screens. The software also provides for system maintenance, health checking, advertising affidavit creation and management, automatic scheduling, playlist creation and management, meta tagging and user security.

Digital Signage Solution The complete end-to-end digital signage solution available in one software platform.

Digital Signage An industry whereby plasma display panels (PDPs), liquid crystal displays (LCDs), computer monitors and normal televisions are used to replace and enhance traditional signs. The advantages of digital signage include the rapid ability to update content, and the ability to deliver the RIGHT messages to the RIGHT audiences at the RIGHT location. Digital signage is helping to merge the industries of advertising networks and point of purchase display merchandising.

Digital Zoom This function enables the zooming in and out of images quickly whilst retaining picture quality.

D-ILA (Direct Image Light Amplification) is a technology patented by Hughes-JVC designed to improve the light output and contrast ratio of LCD screens.

Display Range The range of display sizes, such as horizontal screen dimension of a flat-panel, that can be supported on any given mount. The display size is becoming less important with the increasing size of the display diagonal and the decrease in weight.

DisplayPort A digital display interface developed by the VESA. The interface is primarily used to connect a video source to a display device such as a computer monitor, though it can also be used to transmit audio, USB, and other forms of data. Display Port can be used to transmit audio and video simultaneously. The DisplayPort signal is not directly compatible with DVI or HDMI but passive adapters can be used to adjust the signal levels and convert the connector style.

Distortion A usually undesirable variation from an intended output caused by the characteristics of a particular device.

Distribution Amplifier An amplifier used to maintain a clean noise free signal to a projector or flat panel device over significant distances. Even with good heavily shielded cables, range of video and computer signals is limited to a few dozen feet before noticeable degradation. In ceiling mount situations, where the wiring may pass along side or across electrical conduits, a distribution amp may be needed with shorter distances. Many distribution amps can also split the signal into 2 or more amplified signals for driving multiple projectors or flat panels.

Dithering Method of displaying intermediate colors that don't exist in a limited palette by using a pattern of small dots out of that palette.

DLP (Digital Light Processing) is a commercial name for a display technology from Texas Instruments (TI). The technology inside is often referred to as DMD (Digital Micro-Mirrors). It consists of an array of mirrors where each mirror represents a pixel element. For example, a high-definition DLP projector or rear projector with 1920 x 1080 pixel resolution would have over 2 million tiny mirrors. Each mirror is attached to an electronically driven hinge that controls the amount of colored light that is reflected from the mirror into the projection lens and onto a screen. Projection systems using DLP technology use 1 to 3 DMD devices.

DMD (Digital Micromirror Device). Name of the actual imaging chip used in a Texas Instruments DLP projection systems.

DNS (Domain Name System). refers to the name resolution system that allows users to locate computers on a Unix network or the Internet (TCP/IP network) by domain name. The DNS server maintains a database of domain names and their IP addresses.

Document Camera A document camera can be attached to any projector; however, there are projectors that integrate these features either as a camera on an arm that is attached to the projector or a document scanner that is built into the body of the projector.

Dolby Digital A lossy compression system to deliver sound on DVDs, ATSC and DBS broadcasts in up to 5.1 channels. Also called AC-3. See AC-3.

Dolby EX Backwards compatible system to add a sixth channel used for the middle rear playback to Dolby Digital (AC-3) making it 6.1 or 7.1 sound. 7.1 sound uses an additional center rear speaker playing back a duplicate track. Needs a Dolby EX decoder. See AC-3.

Dolby Pro Logic II Updated version of Pro Logic. Offers better performance with playing back non-encoded sources over a surround sound system with full spatial cues and fidelity.

Dolby Pro Logic An analog 4 channel surround sound system with left, right, center channels and a mono rear channel, typically duplicated across 2 speakers. Rear channel is limited to 7KHz and system stores all channels in a matrix recording on 2 discrete analog channels. Has difficulty playing back non-encoded material at full fidelity.

Dot Crawl Video artifact where little dots crawl along the borders of differing colors, particularly noticeable on graphics. Effect of composite encoding and easily removed by using s-video or component cabling. Will not disappear if the source was recorded using composite video and the artifact has been recorded.

Dot Pitch The distance between side-by-side phosphor color groups (RGB) on a direct view display that uses phosphors. The smaller the better.

Downward Tilt A downward inclination from the vertical plane (i.e. the wall); a downward slant.

DPI (Dots Per Inch) refers to the number of pixels in a single inch line.

DRM (Digital Rights Management) is the technology which maintains the protection of digital content through encryption.

Drop Ship For customers who do not have enough storage or need to have product delivered directly to a job site, select manufacturers will drop-ship orders according to customer specifications.

Dropout Missing information from a broadcast or recorded media and typically show up as white specks in an analog environment. Dropout is more pronounced with interframe compression techniques such as MPEG because the error displays until the next complete frame is drawn, otherwise known as an I-frame. This can take up to 1/2 a second.

DTS Digital Theater Systems. An alternate method of encoding multi-track audio used on DVDs and other sources like D-VHS. Offers less compression compared to Dolby's more common AC3 system and, arguably, better fidelity.

DTV (Digital Television). A system that uses digital signals instead of analog including the ATSC standards, DBS and digital cable.

Dual Lamp A Dual Lamp projector has two lamps where one lamp either serves as an automatic backup to the other lamp or is preprogrammed to switch at specific intervals. The benefit of this type of lamp system is it significantly reduces the probability of lamp failure during use.

Dual XD Engine Combines two of LG's exclusive XD Engines to help maximize picture quality for any kind of video content. By combining XD Engine processors, panel performance is optimized ensuring higher-quality, more realistic images.

DVI (Digital Visual Interface) represents the interface between projectors and computers through a digital connection, resulting in a clearer image than that produced through an analogue connection.

DVI (Digital Visual Interface). DVI is a standard that defines the digital interface between digital devices such as projectors, flat-screens and personal computers. For devices that support DVI, a digital-to-digital connection can be made that eliminates the conversion to analog and thereby delivers an unblemished image. It can also carry an analog signal and comes as DVI-I (integrated - analog and digital), DVI-D (digital only) and DVI-A (analog only). Dual link DVI connections add additional resolution capabilities. Digital cable lengths should not exceed 15 feet. Specifications on DVI are available at www.ddwg.org.

DVR (Digital Video Recorder). Also known as a PVR or Personal Video Recorder. A hard disk based video recorder, which usually offers long recording times and the capability to pause incoming broadcasts. When the unit has access to electronic programming guides, it can record shows on an ongoing basis as well as do keyword and genre searches.

Dynamic Range The difference between the maximum signal level and the noise floor in electronic equipment, represented in dB. (See Decibel)

Dynamic Range The ratio between the highest and lowest levels a device can perform. For a video device it is a measure of contrast ratio. For an audio device it is usually stated in dB.

Echo Cancellation The built-in process which eliminates any acoustic echo in a video conferencing environment.

Eco-Mode Technology A money-saving, highly efficient feature that doubles lamp life and produces a quieter operation.

Edge Blending When more than one projector is used side by side to project wider content into a seamless wide image, Edge Blending technology can be used. Edge blending can be done in the projector or with an external video processor. Edge blending works to remove the bright visible band that occurs when two images overlap. Edge blending will gradually fade out one of the images in the banded zone while the adjacent image is gradually faded up.

Edge Enhancement A technique used to increase apparent resolution by increasing contrast around object edges. Usually counterproductive with already high-resolution sources and can become a source of image distortion.

Electronic Whiteboard Looks like a regular conference-room whiteboard except that it captures notes and drawings made on it electronically that can be sent remotely for teleconferencing or stored digitally for future reference.

Energy Star Energy Star Certified consumer electronics yield savings of about 1/3 on home energy bills, with similar savings in greenhouse gas emissions

Escutcheon Ring A small device that covers a hole in a suspended/false ceiling tile creating a smooth transition.

Ethernet This is a baseband LAN specification that operates at 10Mbps.

False Ceiling Also known as suspended ceiling or dropped ceiling. Typically products are installed above the false ceiling in a classroom or conference room. Also referred to as Plenum Space if the Above-the-ceiling is used as an air conditioning return. Full and half size adapter plates may be used to mount projectors in a false ceiling tile space

False Contouring Also known as solarization or posterization. False contouring occurs when color shows as distinct contours or edges where there shouldn't be any. This occurs when colors that should flow naturally between shades or brightnesses do so discretely in clearly defined bands. The visual effect is the look of a topographical map instead of a video image.

FCC (Federal Communications Commission). U.S. government agency responsible to Congress that regulates interstate and international communications via radio, television, wire, satellite and cable. Commenced operations in 1934.

Feedback Feedback occurs when the output of a device returns as the input of the same device. A microphone recording the sound from a speaker which is playing back the same microphone as a source is an instance where this can occur. Signals get replicated multiple times and if they are amplified, the amplification gets repeated as well. This is how room noise turns into a loud screech if microphones aren't placed properly; however, this can occur to any electrical signal.

Fiber-Optic A thin plastic or glass-fiber cable that carries digital audio signals in an optical format via pulses of light. Uses a small, square plastic male connector on each end. Most modern AV receivers and DVD players have both Toslink optical digital as well as coaxial digital audio connectors. No difference in sound quality between optical or coaxial digital connections, but optical links are not susceptible to hum or interference.

Field In NTSC, each frame of video is made up of 525 lines. Two 262.5 horizontal line fields equal one frame. Each field represents either the even or the odd lines of a complete frame. A scanning system that uses even/odd field pairs is defined as an interlaced scanning system. A field equals one-half of a complete television scanning cycle (1/60 of a second NTSC; 1/50 of a second Pal/SECAM). When interlaced, two fields combined to make one video frame with a scanning cycle of 1/30 of a second at a rate of 1/30 of a second in NTSC. (See Frame, Interlaced, NTSC, PAL, SECAM)

File Format The structure of a file that defines the way it is stored and used. Generally, a file-type extension to the file name identifies the format. For example, some common bitmap graphics file formats supported by Scala are BMP, GIF, TIF, PCX, and JPG. Common animation formats are AVI, FLI, FLC and MPG. A common audio file format is WAV.

Fill Rate Given as a percentage, this characteristic indicates how smooth an image will look viewing a particular display. An imaging system with a low fill rate will exhibit a screen door pattern in its images.

Focal Length This is the distance from the surface of a lens to its focal point.

Focus A projector's focus defines minimum and maximum projection distances. Most projectors have both auto and manual focus functionality.

Footprint Space required to house an equipment rack or device.

Form Factor A general description of a projector or flat panel's size and shape. For example, a light projector with a small case can be said to have a small form factor, and would be good for mobile presentation. Similarly, a flat panel that is slim and wall mountable would be considered to have a small form factor.

Frame Rate The frequency at which complete images are generated. For non-interlaced signals, the frame rate is identical to the vertical frequency. For interlaced signals, the frame rate (also known as field rate) is one half of vertical frequency.

Frame A complete TV picture consisting of two interlaced fields. The NTSC system scans 525 lines with an electron beam and occurs at a frequency of once every 1/30 of a second. (See Field, Interlaced)

Frequency Response Measures the frequencies a component is capable of reproducing and how well it does it. Usually stated as a set of frequencies with a variance measured in decibels (dB). The ideal is to have no variance or flat response, although with a wide range of frequencies.

Front Projection A system where the projector sits in front of the screen with the image getting reflected back to the audience.

FTP Server A computer that can receive requests for an FTP link from a client machine, or the software on that machine that allows it to do so. IIS includes FTP server capability. Also called an FTP host. See also IIS.

Full HD 3D A projector that is Full HD 3D compatible can use any of the 3D formats enabled in the HDMI 1.4 3D specification: frame packing, top/bottom, or side-by-side. These projectors are compatible with the 1080p 3D signal from a Blu-ray player, set-top box, or other HDMI 1.4 device, but may not be compatible with 120Hz frame sequential 3D from a computer

Full On/Off Contrast Contrast is the ratio between white and black. The larger the contrast ratio the greater the ability of a projector or flat panel to show subtle color details and tolerate extraneous room light. There are two methods used: 1) Full On/Off contrast measures the ratio of the light output of an all-white image (full on) and the light output of an all-black (full off) image. 2) ANSI contrast is measured with a pattern of 16 alternating black and white rectangles. The average light output from the white rectangles is divided by the average light output of the black rectangles to determine the ANSI contrast ratio. When comparing contrast ratio, make sure you are comparing the same type of contrast. Full On/Off contrast will always be a larger number than ANSI contrast for a given product.

FXL Most popular halogen lamp used in low cost projectors. Metal halide and UHP lamps are used in the medium and higher priced portable projectors.

Gain or Screen Gain This is a measure of reflectivity of light compared to a screen coated with magnesium carbonate or titanium dioxide, when the measurement is taken for light targeted and reflected perpendicular to the screen. Titanium dioxide is a bright white color, but greater gains can be accomplished with materials that reflect more of the light parallel to projection axis and less off-axis.

Gamma Correction Adjustment to gamma or how gray levels between black and white are displayed as the eye is sensitive to these in a logarithmic manner. For example, good gamma correction allows subtle shadow detail in a dark image to be easily perceived.

Gamma Relationship between input video voltage and output brightness. Determines how mid-tones appear as eye sensitivity is non-linear and display devices use different methods to account for this as well as their own display characteristics.

Ghosting A faint duplicate image, usually offset from primary image. A trail left by a moving object on a slow LCD panel. Can be caused by multipath, which is a delayed, attenuated duplicate signal bounced off an object to an antenna or other interference.

GIF (Graphics Interchange Format). A graphics format in which images are made up of pixels and can be downloaded quickly.

Gray Scale A table of shading devoid of color, progressing from black to white. The number of discernible gray levels defines the color resolution of the display device and is used to evaluate color acuity and contrast.

H.264 An industry standard for video compression, the process of converting digital video into a format that takes up less capacity when it is stored or transmitted.

Hanging Dots Artifact of composite video where stationary dots exist where two colors meet. Caused by interference between main video signal and color carrier. See dot crawl.

HDCP (High-bandwidth Digital Content Protection). A method for protecting copyrighted digital content that uses the DVI (Digital Visual Interface) or HDMI (High-Definition Multimedia Interface, previously known as DVI-CE) by encrypting its transmission between the video source such as a set-top box, DVD player, or computer and the digital display device such as a projector, monitor or television. To view digital HDCP protected content, both the sending and receiving device must support HDCP.

HDMI (High Definition Multimedia Interface). An uncompressed, all-digital audio/video interface that supports audio/video sources such as a set-top box, DVD player, AV receiver, and video monitors such as a digital projector or digital television (DTV). HDMI is backward compatible with DVI 1.0 specification and supports HDCP. HDMI supports standard, enhanced, or high-definition video, plus multi-channel digital audio, and interactive controls on a single cable. It transmits all ATSC (Advanced Television Systems Committee) HDTV standards and supports 8-channel digital audio. First product releases using HDMI occurred in 2003.

HDTV Ready A television that supports 720p or 1080i or higher resolutions and does not have a built-in HDTV tuner for off-air reception of HD signals from a special antenna. To view cable and satellite HDTV programming, a cable set-top-box or satellite receiver is required.

HDTV (High-Definition Television). Generic term that indicates a higher resolution format than previous standards. At present, denotes anything higher than a 480p signal. Most common formats are 720p, 1080i and 1080p.

High Color A setting describing graphics that have 16-bit color, providing up to approximately 65,000 colors in the image.

High Gain Screen A screen that uses one of many methods to collect light and reflect it back to the audience, which dramatically increases the brightness of the image over a white wall or semi-matte screen. Technologies used include curved screens, special metal foil screens (some polarized), and certain glass bead screens. High gain screens achieve higher brightness by directing more of the reflected light towards the center of the screen.

Horizontal Blanking (Retrace). The process of bringing the electron beam in a CRT back to the left side of the screen after a left to right line has been traced on the screen. The beam is shut off (blanked), during the period of retrace. About 83% of the total horizontal line time is spent writing the line. The remaining 17% is spent bringing the beam back to the left side; retrace, before starting the next line. (See Field, Frame, Interlaced, Waveform Monitor)

Horizontal Lens Shift The purpose of Lens Shift is to eliminate keystoning and provide greater flexibility in the placement of the projector relative to the screen. Lens shift may be a manual adjustment or motorized. Horizontal lens shift typically allows the projector to be placed anywhere between right and left edge of the projection screen and may also be used to geometrically align images when stacking projectors. Vertical lens shift is also available on some projectors.

Horizontal Resolution The ability of a system to reproduce closely spaced alternating black and white vertical lines of detail across the screen. The number of alternating black and white lines is divided by the aspect ratio to make comparisons between horizontal and vertical resolution easier. This number is usually expressed as TV lines per picture height. (See Aspect Ratio)

Horizontal Scan Rate A figure that describes the speed of the electron beam that creates the scan lines of a video or computer display. The horizontal scan rate for standard NTSC/PAL video is approximately 15 kHz. For VGA displays and above, scan rates of 31.5 kHz or more are used.

Hospitality A large vertical market which includes hotels, resorts, restaurants and casinos.

Hot Spot The part of a displayed image which is unevenly illuminated, usually a bright area in the center. An unwanted effect especially with whiteboards.

HTML (Hypertext Markup Language) HTML is the language used to create Web pages for display in Web Browsers. HTML can be created directly with text editors or Web publishing programs, such as Dream Weaver, or it can be the output of other programs that make dynamic webpages on the fly. When you select "view source" from your Web browser, the code that you are viewing is HTML.

HTTP (Hypertext Transfer Protocol). The internet protocol used to deliver information over the web.

Hue Hue or tint is the parameter of color that allows us to distinguish between colors.

Image Processing Enhancing and manipulating an image, such as by adjusting its size, resolution, or color palette.

Infra-Red Remote (IR) remote control transmits in the spectrum of infra-red light, such as a television remote. Unlike RF remotes, IR remotes must point at the receiver (line of sight) or reflect the IR from the screen to the receiver. Typical range is limited to 30 feet including the distance to and from reflected surfaces. For example, if you are controlling a projector and you point the remote at the screen which is 12 feet from you and the projector is 10 feet from the screen, then the total distance is 22 feet. Unlike RF remotes, IR remotes must have a clear path or a clear reflected path to the IR receiver to operate. Most projectors have an IR sensor in both the front and rear of the projector, whereas, flat-panels generally have a single IR sensor in the front of the unit. When working at or near the maximum distance, pointing right at the receiver will give better results.

Interactive Projector Interactive projectors became popular in 2010 and come in many variations. This technology encompasses any solution that enables active participation by the user with the projected content, rather than just the passive viewing of content. Typically, the presenter is allowed to interact with either the projected image, the projector, or in some cases another device, using either an electronic pen, a mechanical pen or even a finger. These Interactive Projectors essentially create an electronic whiteboard on any surface where the image is projected allowing the presenter to interact with the projected image using a stylus that may be electronic or mechanical. Some interactive projectors allow user generated information to be captured and replayed, printed, or copied with or without the original projected image.

Interlace A process used to refresh video displays and some computer displays that alternately scans every other horizontal scan line in the display. Interlaced displays often flicker, especially when showing static images containing narrow horizontal lines.

Interlace Interlace is a technique of improving the picture quality of a video signal without consuming extra bandwidth. Interlaced video was designed for display on CRT televisions.

Interlaced A process where a video image is delivered in two fields each containing half the video image rather than a single frame that contains the entire image. The first field contains all the odd lines and the second field contains all the even lines. For example, each 480i frame is made up of two fields of 263 and 262 lines of resolution and updated at 60Hz. 480i denotes the active picture area; however, the total frame size is actually 525 lines. 480i and 1080i are interlaced signals whereas 720p is a progressive signal where each video image is delivered in a single frame. Interlaced video was introduced with the first televisions because of bandwidth limitations.

International Power Supply A unit that can operate under a international selection of power requirements. The specs of units vary widely, but the minimum is 105-230 volts, and 50-60 cycles AC (alternating current). If you see a specification like 110v, 220v instead of a range, those ratings are usually +/- a given percent such as 10%. Most units are "self-switching" they will automatically switch to whatever power source you plug it into. Others will have to be switched (internally or externally to accommodate a difference voltage or cycle range.

Internet Protocol (IP) These protocols are used to communicate across inter-connected networks and can be used for common applications such as e-mail, terminal emulation and file transfer.

Intranet An internal computer communications network.

Invert Image Invert image flips the image from top to bottom, to compensate for creating mounting a projector upside down. Projectors typically ceiling-mount upside down, because most have a built-in offset that allows you to mount the screen at a comfortable height, yet still project an image without tilting the projector and causing keystone distortion.

ISF (Imaging Science Foundation). Organization that trains and accredits display calibration technicians as well as certifies display hardware. Designs standard testing and calibration procedures and tools. International organization within which governments and the private sector coordinate global telecom networks and services.

Jaggy The stair-step or saw-tooth effect seen on lines that are not horizontal or vertical or the edge of objects in digital displays. Also known as aliasing. Smoothing and anti-aliasing techniques can reduce the effect of aliasing.

Jitter Abrupt variations in signal amplitude or timing that cause reproduction instability in audio, video and data. Usually caused by bandwidth limitations or impedance termination issues that can sometimes be caused by the cable and/or connections you are using. Power supplies can also be a source of this problem.

Judder Apparent stutter of on-screen movement. Motion judder in film is due to the fact that the 24 frame/second sampling rate is too slow to resolve camera panning motion. Judder is also caused by 3.2 pull-down where movie frames are on screen for differing times due to frame rate translations. Also occurs on PAL to NTSC conversions.

Kelvin A temperature measurement scale where 0° Kelvin (0°K) is equal to absolute zero, the temperature at which all molecular movement ceases. One degree of Kelvin is equal to 1 degree of Celsius. The color temperature of large image devices is measured in Kelvin. The higher the temperature, the bluer the light.

Kensington Lock A security device found on projectors and other electronic equipment that allows the equipment to be secured by key or combination to another object using a rubberized cable.

Kerning An adjustment of the normal space between certain combinations of characters, to eliminate excess space.

Key Frame A video frame that contains all the data required to produce an image without any reference to the previous frames.

Keystone Correction Makes a projected image rectangular. This can be accomplished by positioning the projector to be perpendicular to the screen. Since this is not always possible, most projectors are equipped with keystone correction that allows the image to be keystone corrected (made rectangular) by adjusting optics, making mechanical adjustments, or applying digital scaling to the image. Keystone correction can be one or two dimensional and manual or automatic depending on the projector and the manufacturer. Be aware that digital scaling will introduce some artifacts that are more evident when viewing small text and less evident in presentation type material or video.

LAN (Local Area Network) A network of computers sharing a single server or servers in a single location, typically in an office or building. See also WAN.

Latency The time between a device being requested to do something and the start of the device actually doing it. It's a measurement usually used for LCDs where the shorter the latency the better. NSTC requires a latency of no more than 16ms in order to update the screen in time without leaving a ghost of the previous image.

Lateral Shift This feature can apply to flat-panels or projectors and is a function of most flat-panel mounts created by Premier Mounts. Lateral shift allows the TV to slide left or right for perfect TV placement, even with off-center studs. It has the same function for projector mounts. It allows the user to achieve perfect placement of the projector should it be mounted a too far to the left or right.

LCD (Liquid Crystal Display). A display device for generating color images using a matrix of LCD pixel elements. Each pixel element consists of 3 sub-pixels and an RGB color filter of red (R), green (G), and blue (B). By controlling the voltage to each sub-pixel of an LCD, each cluster of RGB pixels can create a full spectrum of colored light. LCDs are used in flat-screen displays, cameras and notebook computers to name a few. Nearly every projector made with LCD technology uses 3 separate LCDs, one each for red, green and blue. Light from the projector lamp is separated into RGB with a set of dichroic mirrors. The three light beams (RGB) are passed through separate LCDs and recombined to project a color image.

LCoS (Liquid Crystal on Silicon). Type of LCD panel that reflects light as opposed to blocking it. Usually offers a comparatively high fill rate creating a smooth image but generally has difficulty giving a high contrast ratio.

LED Lamp A type of projector lamp that uses one or more LEDs as its light source. The benefit of LED lamps is their long life.

LED (Light Emitting Diode) Diodes are electronic components that let electricity pass in only one direction. Light emitting diodes are diodes that emit visible light when electricity is applied, similar to a light bulb. When many LEDs are side-by-side, they can create pictures, such as the scrolling red LED signs found everywhere. LED displays are often confused with LCDs (liquid crystal displays), but they are different technologies.

Lens Shift The purpose of "lens shift" is to eliminate keystone correction and provide greater flexibility in the placement of the projector relative to the screen or the alignment of stacked projectors. This is accomplished by allowing the optical lens to be physically shifted vertically and/or horizontally. These adjustments may be manual or motorized depending on the projector. See horizontal lens shift and vertical lens shift for typical adjustment ranges.

Letterbox A method of preserving the originally aspect ratio of a production when presented on a projector with a different aspect ratio. This is accomplished by showing the full image and black where no image exists.

Lock-It™ Security Hardware Special security screws and barrels designed to deter removal of flat-panels or projectors. The screws can only be installed or removed using the security allen wrench usually included in the hardware pack.

Long Throw Lens Allows greater distance between the projector and the screen while being able to maintain the image size and brightness of a shorter throw lens for any given projector. Depending on the room, a long throw lens may be required due to mounting constraints nearer the projected image.

Loophthrough An output on a projector allowing you to connect other monitors or projectors to display the same image. It is commonly used when presenting, so the speaker is able to look at a computer monitor in front of them while at the same time the image is being projected onto another screen thus allowing the person to always face the audience.

Lossless Compression The process of compressing data in which information is arranged more concisely and restored to its original state upon decompression.

Lumen A measurement unit of total illumination. Typically a 100-watt light bulb outputs 1700 lumens over a wide area. Projector light output is measured in ANSI lumens. A projector with a higher lumen number will produce a brighter image for a given image size. See ANSI Lumens.

Luminance The black and white part of a video signal. It is signified by the letter Y. Signals with a separated luminance and color signal avoid interference. This interference can result in dot crawl among other image artifacts.

Lux A unit of measure of incident light (not reflected from the scene). The lux rating of a camera is usually, loosely used to determine if the camera is capable of producing an image in low light situations. The lower the lux specifications, the lower the required light level needed to produce an image. Generally, the lux rating of a camera is listed in the specifications as "Minimum Illumination". The Minimum Illumination specification lists the lux rating as well as the f/Stop and gain settings needed to achieve the lowest lux possible on that particular camera.

MAC Address (Media Access Control Address). A hard-coded interface identification used by layer 2 devices (switch or bridge) for proper forwarding of frames between computers on a network.

Marquee A permanent roof-like structure or canopy of rigid materials supported by and extending from the facade of a building frequently used to display signage. (2) On the World Wide Web, the term marquee is often used to describe scrolling text effects created with the HTML marquee tag (Microsoft Internet Explorer-specific), Flash, JavaScript, and Java Applets.

Maximum Distance Sometimes used to refer to the distance from the screen that a projector can focus the image. Most of the time, it is the manufacturer's opinion of how far from a screen the projector can be to cast an image that is useable (bright enough) in a fully darkened room. Consult the Projection Calculator for guidance on proper placement of a projector for a given screen and content.

Maximum Image Size The largest image a projector can reasonable throw in a darkened room. Consult the Projection Calculator for guidance on proper placement of a projector for a given screen and content.

Maximum Resolution Maximum Resolution refers to the highest resolution that a given display device can support. If the Maximum Resolution exceeds the Native Resolution, the image is usually scaled to match or approximate the Native Resolution of the projector. Some display devices allow pan and scan where rather than scaling the image, the display devices allows you to use the native resolution of the display to view portions of the higher resolution image. Scaling reduces the image resolution and produces some artifacts in the image that are more apparent when viewing text than graphics or video.

MHz The abbreviation for megahertz, or millions of cycles per second.

Microperforated Screen A screen which can have a speaker mounted to the rear of it.

Minimum Display The closest position that a projector can focus an image onto a screen.

Multi-Lamp Some projectors use multiple lamps that can be controlled by the user to increase or decrease the brightness of the image. This lamp redundancy significantly minimizes the risk of total lamp failure during use. Another type of multi-lamp system is a Dual Lamp. With a dual lamp projector one lamp can serve as a backup to the other lamp in the event of failure or the lamps can be programmed to switch at specific intervals.

N **Native Aspect Ratio** Nearly every projector or display today will support multiple aspect ratios; however, each manufacturer must decide who their intended audience is and optimize the projector for that audience. This means each device has a native aspect ratio that is optimized for specific viewing material. Images shown in native aspect ratio will utilize the entire resolution of the display and achieve maximum brightness. Images shown in other than native aspect ratio will always have less resolution and less brightness than images shown in native aspect ratio.

Native Resolution Native Resolution is the number of physical pixels in a display device. For example, an XGA display has a native resolution of 1024 physical pixels of resolution horizontally and 768 pixels vertically or 786,432 total pixels. See Maximum Resolution.

Negative Gain Screen A screen with a gain rating of under 1 which actually reduces the amount of light reflected back from a projected image. Usually gray, they are used to increase apparent contrast by lowering the black level.

Noise An unwanted random signal.

Non-Interlace Also known as progressive scan. Describes how video frames are drawn which, in this case, is completely from top to bottom at every screen update. See Interlaced.

NTSC (National Television Standards Committee). Established the first color TV standard in 1953 and is the North American standard for video and broadcasting. Also used in the Caribbean, South Korea, Japan and South America. A 30 fps signal with 525 lines of resolution of which 480 to 483 are viewable. Transmitted via a 6MHz channel.

O **OEM** (Original Equipment Manufacturer). A company that gathers components from other manufacturers and sells under their own name. An OEM version of a product is supported by the seller, not the actual manufacturer.

OLED (Organic Light Emitting Diode). A self-illuminating, energy-efficient, direct-view imaging system. Uses an organic film sandwiched between 2 transparent electrodes.

Optical Digital Cable Transfers digital signals as light pulses. Also called fiber-optic cable and is commonly used to send surround sound from a player to a receiver/decoder.

Optional Lenses Typically the less expensive projectors come with a built-in lens that is designed to serve a specific type of setting or application. A projector that supports optional lenses can address a wide variety of installation needs. This gives a projector great flexibility at an incremental cost.

OptiSync Digital/Analog Inputs ViewSonic expands your connectivity with multi-mode input technology that supports both digital (DVI) and analog (VGA) signals for ultimate compatibility and configuration flexibility.

OSD (On Screen Display). The menu that enables the user to access and adjust a monitor's settings, including brightness, image position, and color saturation.

OSHA An agency of the United States Department of Labor. Its mission is to prevent work-related injuries, illnesses and occupational fatalities by issuing and enforcing rules called standards for workplace safety and health.

OSHPD California State Department that assures the safety of buildings used in providing health care. OSHPD certification is also known as seismic or earthquake safe up to an earthquake of magnitude greater than or equal to 6.5. This includes establishing building standards that govern construction of, or changes to, these types of facilities. OSHPD also observes construction in progress to ensure compliance with the approved plans and specifications. Products that are OSHPD approved also comply with DSA requirements for seismic safety.

Overhead Projector A type of projector which produces an image on screen by transmitting light through a transparent piece of clear plastic or acetate cell. The transparent sheet with a graph or photo is placed on large lens with a light source underneath. This focuses the image into a lens which projects the image onto a screen. These projectors have been replaced by document cameras.

Oversampling Multiplies outgoing signal samples in order to more easily filter out aliased sounds but doesn't create fidelity that isn't there to begin with.

Overscan Given as a percentage or pixel count, the amount that a particular display device crops the edges of an incoming video signal. This is done to ensure the image area contains only picture information.

P **P.O.P.** (Point-of-purchase) The term point-of-purchase usually refers to the industry concerned with customer behavior at the location of the purchase decision. POP is considered one of the most important aspects of advertising and merchandising. It is believed that the most critical time to influence buyer behavior is when they have money in hand.

PAL (Phase Alternating Line). Broadcast standard developed in Germany in 1963 and adopted in 1967. Color system mainly used in Europe (except France), South America, Africa, Oceania and China. PAL uses 625 scan lines with a 25-frame/50-field per second rate. (See Field, NTSC, SECAM)

PanaBlack (Panasonic) (Monitor Feature). A PanaBlack picture tube improves contrast, color reproduction and clarity of detail. A dark black screen glass provides up to a 40% increase in contrast, compared to conventional CRT's, by decreasing the amount of ambient light that passes through the screen and reflects back off the phosphors.

Pan-and-Scan A method to fit source material of a different resolution or aspect ratio onto another. Sometimes used with computer input when the input resolution exceeds the resolution of the display device. Used extensively for broadcast and DVDs, it simply crops the sides of widescreen material and the transfer operator chooses the best part of the frame to show. Often an electronic camera pan is used to change the area being shown. This is used when characters are talking to each other but one is off screen due to cropping and they become the focus of the shot.

PaneLock™ The PaneLock™ Security System works with Premier Mounts' CTM and PCM Series Mounts. This patent-pending device prevents the removal of a flat-panel display from the mounting plate. The integrated theft-resistant clips latch the mounting bracket arms to the rods on the wall plate. A security screw then locks the pieces in place.

PC-3D Ready A projector that is PC 3D Ready can accept a 120Hz frame-sequential 3D signal from a computer via either NVIDIA's 3D Vision system or one of several educational software suites. These projectors are not compatible with the HDMI 1.4 3D specification used on 3D Blu-ray players and set-top boxes. This type of projector is also referred to as 3D Ready.

PDF (Portable Document Format). Developed by Adobe Systems to capture and deliver most document types without changing the format or recreating it within another application. Acrobat Reader is required to view a PDF document.

Phosphor A direct-view, flat-panel display that uses ionized gas to emit ultraviolet light that then excites phosphors. Plasma is a state of matter like solid, gas or liquid. Plasma screens are challenged by latency issues without a priming voltage, which causes manufacturers to leave a voltage running across a cell in order for it to change state quickly enough to update a picture. This tends to boost black levels as every pixel is partially on all the time. This is why plasma contrast ratios aren't as high as CRT although still very good. Also, because plasma uses phosphors it is susceptible to possible burn-in. Plasma is subject to performance issues at higher altitudes of operation such as fan buzzing and increased power consumption.

Pico Projector A marketing term to describe a small hand held projector that can fit in your pocket. A pico projector can be a stand-alone device that connects to a computer or other video device or a projection module that is integrated with a phone, portable computer, MP3 player or other small device.

PIP (Picture-In-Picture). The ability to project a secondary image (from another source such as a DVD, VCR or PC) within the main projection image.

Pitch The rotational axis of a projector mount. Taken from the aviation industry, pitch up and down on a screen. Roll refers to the rotation around the axis that will rotate the image on a screen. Yaw refers to the rotation around the axis that will move the image on a screen left or right.

Pivot Refers to the right and left or horizontal motion of a flat-panel mounting head attached to a articulating or swing-out arm.

Pixel A small dot which represents a single element of a display. The more pixels an image has, the more defined the image will appear to the viewer.

Pixelation If compression by DVD and digital channels is not performed with care, the image looks rougher and coarser than it should, with a grainy effect over parts of the picture.

Plasma Display Panel (PDP) A direct view display made up of an array of cells, known as pixels, which are composed of three subpixels, corresponding to the colors red, green and blue. Gas in the plasma state is used to react with phosphors in each subpixel to produce colored light (red, green or blue) from a phosphor in each subpixel. Plasma displays are thinner than cathode ray tube (CRT) displays and brighter than liquid crystal displays (LCD). Most of these heavy and expensive displays have been replaced by less expensive and much lighter LCD displays.

Plasma Just as solids, liquids and gases are states of matter, plasma is a state of matter. Specifically, plasma is ionized gas. That is, gas that has been given an electrical charge by being stripped of electrons. Such ionized gas is the most abundant observable form of matter in the universe, being a main ingredient in stars and nebulous. And as if we're not already seeing enough of the stuff, it's also what goes inside those flat panel displays called "plasmas" that are popping up all around us. Why? Because when you apply an electromagnetic field to plasma, it glows, making for a nice, vibrant TV screen, computer monitor, or digital signage.

PNG The file-type extension for images in the PNG (pronounced "ping") format. PNG is a relatively new and advanced format, featuring both compression and extensibility.

Power Zoom A zoom lens that is driven by a motor and controlled from the projector's control panel and/or remote control.

Pro:Idiom LG's Pro:Idiom® system's high-quality security unlocks access to premium content availability to help assure rapid, broad deployment of HDTV and other high value digital content. By using this embedded approach, security is provided and helps eliminate the possibility of customers tampering with or removing needed components.

Progressive Scan A display mode in which all the horizontal lines of an image are displayed at one time in a single frame, unlike an interlaced scan in which a frame consists of two separate fields with the first field consisting of odd horizontal lines and the second field even horizontal lines. Progressive scan is used by projectors, computer monitors, HDTV systems, and some digital camcorders. Progressive Scan requires a faster horizontal scan frequency than interlaced images of the same resolution.

Project Registration Project registration refers to the process of submitting a bid for a given project. Dealers benefit from partnering with the manufacturer through special pricing, discounts, and technical support. This allows the dealer to provide more opportunities, build product expertise and grow profitably. Project registration provides a competitive advantage and can help increase sales and improve margin opportunities.

Projector Pitch The rotational axis of a projector mount. Taken from the aviation industry, pitch on a projector refers to the axis of rotation that would move the image of a projector up and down on a screen. Roll refers to the rotation around the axis that will rotate the image on a screen. Yaw refers to the rotation around the axis that will move the image on a screen left or right.

Projector Roll Taken from the aviation industry, the roll on a projector refers to the axis of rotation that would rotate the image of a projector on a screen. Yaw refers to the rotation around the axis that will move the image on a screen left or right, while pitch refers to the axis of rotation that would move the image of a projector up and down on a screen.

Projector Stacker Allows installation of multiple projectors while permitting maximum ventilation.

Projector A projector is a device that integrates a light source, an optics system, electronics and display(s) for the purpose of projecting an image from a computer or video device onto a wall or screen for large image viewing. These devices attach to a computer or video device as you would connect a monitor or television.

Proxy Server A server on a network between client software and another service that intercepts requests to the server, forwarding to other servers if necessary.

Q **QAM** (Quadrature Amplitude Modulation). A type of digital modulation technique used to carry signals in digital cable and cable modems which usually has a number before it denoting its bit density such as 64-QAM. Cable is equivalent to 8VSB. A QAM tuner will allow you to see digital cable channels without a cable box but only those that are broadcast without restriction. A CableCARD® will add support for restricted channels.

QXGA A display resolution of 2048 horizontal pixels by 1536 vertical pixels giving a total display resolution of 3,145,728 pixels. A QXGA display has 4 times the resolution of an XGA display.

R **RAID** (Redundant Array of Independent Disks). A multi-drive storage facility providing high-performance and redundant hardware with protection against failure.

Rainbow Effect An image anomaly that can be seen by a small percentage of people when viewing a single chip DLP™ front or rear projection system. The anomaly appears as a color breakup at the edge of objects when the eye transitions rapidly between light and dark areas of the image. The problem is characteristic of sequential color systems with low refresh rates.

Rear Screen Projection A presentation system in which the image is projected through a translucent screen toward the audience. It involves projecting an image through a translucent screen material for viewing from the opposite side, as opposed to front projection.

Refresh Rate The speed at which a display updates its picture given in Hz.

Rental & Staging The rental and staging industry typically work with special events, tradeshows, concerts and other brief productions. These types of events require products that are modular, portable, flexible and strong.

Residential Residential installations rang depending on customer need. These can be a project as small as installing a single flat-panel, or as large integrating an entire home theater.

Resolution Resolution measures how clear and detailed an image is the higher the resolution the better the picture quality. Resolution is expressed as the number of horizontal and vertical lines.

Response Time A term associated with LCD technology, this is the time an individual pixel takes to turn fully on then off. There is a rising (r) and falling (f) time which gives the overall figure.

RF Radio Frequency Interference.

RGB (Red, Green and Blue). A component signal representing each color separately. Sync signals can be sent on green or sent separately as a composite signal or dual H/V signals (Horizontal sync/Vertical sync). Very common signal for analog computer displays. They are also the primary colors of light, not to be confused with Cyan, Magenta, and Yellow, the primary pigments.

RMA The Return Material Authorization, is the process of returning a product to the manufacturer for repair or replacement.

Roll Taken from the aviation industry, the roll on a projector refers to the axis of rotation that would rotate the image of a projector on a screen. Yaw refers to the rotation around the axis that will move the image on a screen left or right, while pitch refers to the axis of rotation that would move the image of a projector up and down on a screen.

Router A dedicated computer hardware or software package that manages the connection between networks.

S **SaaS** (Typically pronounced 'sass') Stands for Software as a Service. SaaS is a model of software deployment where an application is hosted as a service provided to customers across the Internet. By eliminating the need to install and run the application on the customer's own computer, SaaS alleviates the customer's burden of software maintenance, ongoing operation, and support.

Saturation A measure of color intensity. In the absence of saturation the color hue is a shade of grey. A highly saturated hue has a vivid, intense color, while a less saturated hue appears more muted and grey.

Scaler A device that deinterlaces an image, then scales it to the native resolution of the output device. It can significantly enhance picture quality, particularly on plasma screens and projectors.

Scan Converter In a projector, this converts a digital signal from a computer to a video signal for broadcast on a video projector or TV monitor.

Scan Rate The line drawing speed of a display, usually given in kHz. A standard definition TV has a scan rate of 15.75 kHz which when you divide by 525 scan lines, gives a horizontal refresh rate of 30 fps or Hz.

Screen Gain As it applies to projectors, gain is the measurement of a projection screen's light reflectance with unity gain being one. A high gain screen will reflect more light along a narrower path than lower gain screen. Screen gains under one use a gray screen to absorb ambient light to help maintain contrast ratios.

Screeンドoor Effect An image distortion caused by digital imagers with a low fill rate. Looks like the picture is seen through a screen door with thin vertical and horizontal black lines and is commonly noticeable on lower resolution LCD displays. An LCD display fitted with a microlens array helps reduce this problem.

SDTV (Standard Definition Television). A class of digital television (DTV) that refers to the 480i format. 480i is an interlaced video format that produces a full frame of 480 lines of video in two successive fields. The first field includes the odd lines and the second field includes the even lines. Sometimes used to refer to regular television.

Ship Weight Also referred to as actual weight, which is the gross weight of a freight as measured by a weight scale, including all packaging, wrapping, and boxing, but not the shipping container.

Short Throw Lens A lens designed to project a large image from a short distance.

Short Throw Wall Mount Projector A projector that mounts on a wall adjacent to the projection screen. The throw distance is generally just a few inches and allows people to move freely through the room without concern of intercepting the light path.

Skew A signal distortion where one part of a signal arrives at a different time than another and causes color fringes to the sides of an object.

SMIL (Synchronised Multimedia Integration Language). Enables website creators define and synchronize multimedia events for presentation and interaction.

SVGA (Super Video Graphics Array). A display resolution measuring 800 pixels horizontally by 600 pixels vertically giving a total display resolution of 480,000 individual pixels. SVGA has a 4:3 aspect ratio.

S-Video A video transmission standard that uses a 4 pin mini-DIN connector to send video information on two signal wires called luminance (brightness, Y) and chrominance (color, C). S-Video is also referred to as Y/C. Considered a higher quality video source than composite video.

Swingout Flat-Panel Mounts Also referred to as articulating mounts. These mounts have single or multi-jointed arms, that allow the mounting head to swingout in a horizontal motion.

Swivel Refers to the right and left of the mounting plate attached that attaches the flat-panel on the end of the articulating swingout arm.

SXGA SXGA is a display resolution measuring 1280 pixels horizontally by 1024 pixels vertically giving a total display resolution of 1,310,720 individual pixels. SXGA has a 5:4 aspect ratio.

Tab-Tensioned A projection screen type that has connections on all sides of the screen material, which pull it taut in order to have a flat screen surface.

TCP/IP A networking protocol designed for flexible, high-speed communications, used for LANs and the Internet.

Throw Distance The length of the projection beam necessary for a particular projector to produce an image of a specified size. This display size is typically specified by the end user and the purpose of the display. Based on the display size the system designer will specify the projector that should be used for this purpose based on screen aspect ratio, image brightness and contrast, and any other special projector features or cost evaluation criteria. Once the project projector has been selected, the designer can determine the distance of the projector to the display surface, which in turn will dictate the type of wall mount to select. Premier Mounts offers the UNI line of short-throw projector wall mounts available in three lengths. Each model is adjustable within its own range to enable various screen sizes and fine-tuning.

THX (Tom Holman's eXperiment). A certification for audio equipment and installation done to a standard set by THX Ltd., a company owned by George Lucas. Usually geared towards audio playback for video and cinema.

Tilt Referred to as vertical (upward or downward) motion of a mounting head along Y-axis of a mount.

Togglor Bolt A fastener for hanging objects on hollow walls such as drywall. Toggle bolts have wings that open inside a hollow wall, bracing against it to hold the fastener securely. The wings are much larger than the bolt they are attached to. This spreads the weight of the secured item over a larger area, increasing the weight that can be secured compared to a regular bolt.

Touch Screen Also called a touch-sensitive screen, a computer monitor attachment that can sense the location at which a viewer touches the screen to respond to a question or prompt in a script.

Turnbuckle Also known as a stretching screw or bottle screw, a turnbuckle is a device for adjusting the tension or length of ropes, cables, tie rods and other tensioning systems. It normally consists of two threaded eyelets, one screwed into each end of a small metal loop, one with a left-hand thread and the other with a right-hand thread. The tension can be adjusted by rotating the loop, which causes both eyelets to be screwed in or out simultaneously, without twisting the eyelets or attached cables.

UHF (Ultra-High Frequency). The 300MHz to 3GHz band of radio frequencies used for broadcast television among other things including Wi-Fi.

UHP (Ultra High Pressure). An acronym attributed to projector lamps with an internal pressure of over 3,000 lbs. per square inch. Usually a mercury arc lamp. Also stands for Ultra High Performance.

UNC (Universal Naming Convention) A standard format for paths referring to locations directly accessible on a local area network

Underwriters Laboratories (UL) An independent product safety certification organization. Based in Northbrook, Illinois, UL develops standards and test procedures for products, materials, components, assemblies, tools and equipment, chiefly dealing with product safety.

Uniform Resource Identifier (URI) A compact string of characters used to identify or name a resource. The main purpose of this identification is to enable interaction with representations of the resource over a network using specific protocols.

Uniformity A measurement of the evenness of the brightness of white or a particular color across a display indicated as a percentage. A measurement of 80% means the brightness of an image is 20% less at its dimmest point compared to its brightest.

Unity Gain A projection screen with a gain rating of one that reflects light with a wide viewing angle back to the viewer. See Gain.

Upconvert To convert a lower resolution signal to a higher resolution. For example, 480i to 720p.

Upward Tilt Most mounts only have a downward tilt for a display. In many cases, the upward tilt may refer to a service tilt that tilts the mount upward to give access to A/V connectors or power cables.

URL (Universal Resource Locator) A string of text that specifies the location of an object accessible through the Hypertext Transfer Protocol (HTTP), typically a World Wide Web address.

UXGA (Ultra eXtended Graphics Array). Refers to a display resolution of 1600 pixels horizontally by 1200 pixels vertically, usually only required in specialist applications. UXGA has an aspect ratio of 4:3.

VBR (Variable Bit Rate). Refers to a variable data rate for encoding MPEG where picture quality is maintained but data rates change in accordance to the requirements of a video passage. Large amounts of movement and detail require higher data rates. VBR tends to create more space efficient MPEG files where picture quality is maintained but data rates change.

Vector Graphics These are programs which store images using computer algorithms to define shape, lines, animation etc.

Vectorscope A specialized oscilloscope used to display the color information in a video signal. In particular, a vectorscope decodes the color information into R - Y & B - Y. Those signals are used to drive the x and y axis of the scope. Total lack of color in a video signal is displayed as a dot in the center of the vectorscope display. The angle, distance around the circle, and magnitude, distance away from the center, indicates the phase and amplitude of the color signal.

Vertical Frequency The rate per second, measured in Hertz (Hz), that the monitor draws all the lines on an entire screen and the higher the frequency the less a flicker is produced.

Vertical Lens Shift The purpose of Lens Shift is to eliminate keystoneing and provide greater flexibility in the placement of the projector relative to the screen. Lens shift may be a manual adjustment or motorized depending on the projector. Vertical lens shift will typically allow the projector to be placed anywhere between 1.5 screen heights above or below the center of the projection screen and may also be used to geometrically align images when stacking projectors. Horizontal lens shift is also available on some projectors.

Vertical Offset The difference between the center of the projected image and the center of the projector lens. For clarity, offset is often expressed as the maximum amount of the image that can be projected above or below the lens center without degrading the image quality. Vertical offset ranges depend on the type of lens in use, and whether or not the image is offset horizontally at the same time.

VESA (Video Electronics Video Association). An international non-profit corporation led by a board of directors, which represents a voting membership of more than 165 corporate members worldwide. VESA supports and sets industry-wide interface standards for the PC, workstation and consumer electronics industries. The VESA mounting interface standard includes a pattern of mounting holes on the back of a flat-panel display which match up with patterns found on many flat-panel mounts. Mounting patterns are measured in millimeters and most common patterns are 75 x 75mm, 100 x 100mm, 200 x 100mm and 200 x 200mm. Mounting patterns beyond those listed have varied sizes and are spaced in 200mm increments.

VGA A display resolution measuring 640 horizontal pixels and 480 vertical pixels giving a total display resolution of 307,200 individual pixels. VGA has a 4:3 aspect ratio.

Video Bridge A computerized switching system, or MCU, which allows multipoint video conferencing.

Video Capture The method of capturing an analogue video source and converting it into a digital format.

Video Conferencing A form of communication in which a set of interactive telecommunication technologies allow two or more locations to interact via two-way video and audio transmissions simultaneously.

Video Mirroring An output connector on the projector that allows a monitor or another projector to share the same video source.

Video Wall Consists of multiple displays or monitors that are mounted closely together contiguously in order to form one large screen.

Viewing Angle Screens do not reflect equally in all directions. Most light is reflected in a conical volume centered around the "line of best viewing". Maximum brightness is perceived if you are within the viewing cone defined by the horizontal and vertical viewing angles.

VoD Server (Video on Demand). Refers to any streaming video server that can store and deliver video streams on request from end users.

Voice-Activated Switching (VAS) Usually the default mode in multiple sites where the personal currently speaking can be viewed by all participants. Noise in a site will cause the view to change.

Volt A measurement of electrical pressure.

Volume Leveling The automatic increasing or decreasing of volume during playback to produce a similar sound for all audio content.

VPN (Virtual Private Network). A service offered by public carriers whereby the user is given a network that appears to be private but which is actually carried over a public network.

VSAT (Very Small Aperture Terminal) VSATs are those little satellite dishes that you see used for PrimeStar and DirectTV among other things. In addition to tuning in satellite TV, they can be used to receive data such as IP multicasting. Many companies create a wide area computer networks (WAN) infrastructure.

WAN (Wide Area Network). A communications network that uses devices such as telephone lines, satellite dishes, or radio waves to span a larger geographic area than can be covered by a LAN.

Watt A unit of power. Volts multiplied by amperage equals watts. It is defined as one joule per second.

WAV This is a format for a digital audio sound file.

Web Server A server that stores and retrieves HTML document and other resources using HTTP.

Webcast The delivery of a live or recorded broadcast over the web.

Wedge Anchor Wedge anchors, also known as expansion bolts and expansion anchors, secure themselves using a mechanical wedging effect at the end of the fastener. Tightening the bolt results in a wedge being driven up against a sleeve. This jams the end of the bolt and provides the strength. Many different manufacturers provide a variation on this theme, usually depending on the condition of the concrete and the type of load.

Weight Capacity The maximum amount of weight that a mount can support. All of our mounts are tested at a minimum of four times the weight of the advertised weight capacity to ensure stability and safety.

White Level The signal level that corresponds to the maximum picture brightness. The white level is set by the contrast control.

Widescreen Any aspect ratio that is wider than 4:3. Widescreen televisions are 16 units wide and 9 units tall. Common widescreen film aspect ratios are 1.66:1, 1.85:1 and 2.35:1.

Wi-Fi (802.11a) An IEEE specification for wireless networking that operates in the 5 GHz frequency range (5.725 GHz to 5.850 GHz) with a maximum 54 Mbps data transfer rate. The 5 GHz frequency band is not as crowded as the 2.4 GHz frequency, because the 802.11a specification offers more radio channels than the 802.11b. These additional channels can help avoid radio and microwave interference.

Wi-Fi (802.11b) International standard for wireless networking that operates in the 2.4 GHz frequency range (2.4 GHz to 2.4835 GHz) and provides a throughput of up to 11 Mbps. This is a very commonly used frequency. Microwave ovens, cordless phones, medical and scientific equipment, as well as Bluetooth devices, all work within the 2.4 GHz frequency band.

Wi-Fi Wireless Fidelity, and is a type of wireless network used to connect digital devices without the need for cables. It is mostly used for wireless broadband access and inexpensive consumer wireless antennas are available at electronics stores. There are four specifications currently in the family: 802.11, 802.11a, 802.11b, and 802.11g.

Wire Gauge A measurement of how large a wire is, either in diameter or cross sectional area. This determines the amount of electric current a wire can safely carry, as well as its electrical resistance and weight per unit of length. Wire gauge is applicable to both electrical and non-electrical, structural wires.

Woofer A loudspeaker designed to reproduce bass, or low audio, frequencies.

WXGA (Wide Extended Graphics Array). Defines a class of XGA displays with a width resolution sufficient to create an aspect ratio of 16:9. A WXGA display has 1366 to 1280 pixels horizontally and 768 to 720 pixels vertically.

XGA (Extended Graphics Array). Display resolution measuring 1024 pixels horizontally and 768 pixels vertically giving a total display resolution of 786,432 individual pixels. XGA has a 4:3 aspect ratio.

XLR Balanced connection for audio components and used professionally.

XML (Extensible Markup Language) XML is a standard data format used for text files and information in computer memory that allows easy data processing and exchange between different applications.

XSL (Extensible Stylesheet Language) XSL was the original proposal to allow formatting of XML files for display. It has since diverged into XSL FO and XSLT. They each derive from XSL, but use different parser programs and achieve slightly different goals. XSL FO, which stands for XSL formatting objects, is most often used for outputting PDF files with extreme formatting and pagination control. XSLT, which stands for XSL transformations, is most often used to convert one XML data structure into another.

XSLT (Extensible Stylesheet Language Transformations) XSLT is a standard subset language of XML designed to allow one XM.

Yaw Taken from the aviation industry, the yaw refers to the rotation around the axis that will move the image on a screen left or right, while pitch refers to the axis of rotation that would move the image of a projector up and down on a screen. Roll refers to the axis of rotation that would rotate the image of a projector on a screen.

Y-Splitter A cable or adapter that enables a single output into two inputs or a single input into two outputs.

Zipcord Cable A flat cable looking like two cables glued together commonly used for audio applications.

Zoom Lens A lens with a variable focal length providing the ability to adjust the size of a projected image without moving the projector or provide a range of projector placements that can produce the same size image. See Zoom Ratio.

Zoom Ratio Zoom ratio is the ratio between the smallest and largest image a lens can projector from a fixed distance. For example, a 1.4:1 zoom lens ratio means that a 10 foot image without zoom would be a 14 foot image with full zoom. Conversely, a 10 foot diagonal image at 15 feet with no zoom would still be a 10 image at 21 feet at maximum zoom (15 x 1.4 = 21 feet). A zoom lens is "not as bright" as a fixed lens, and the higher the ratio, the less light output.



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